



WORLDWIDE TV-FM DX ASSOCIATION  
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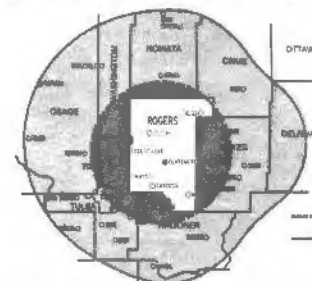
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# Vhf-UhfDIGEST

The Official Publication of the Worldwide TV-FM DX Association

JULY 1992

## Watch out, Northeastern Oklahoma!



Rogers State College's public television station **KXON TV-35** is the new "power" in educational television — now broadcasting at 2.7 million watts and reaching more than **one million people** in Northeastern Oklahoma! TV-35 has a unique lineup of college credit telecourses, great entertainment specials and the best selection of "how-to" documentaries around!

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# WTFDA '92 CONFERENCE

MARK SEPTEMBER 11-13 on your calendars for this year's **WTFDA CONFERENCE!** Conference host Michael Goetsch welcomes you to Pittsburgh, Pennsylvania along with the Pittsburgh Motel.

Jack, owner of the Pittsburgh Motel, 4270 Steubenville Pike, Route 60, invites 1992 Conference attendees. A complimentary hospitality room will be provided with free coffee! Plus, you'll be invited to construct antennas.

Tours of local FM and TV stations will be arranged by Michael. Attendees interested in holding seminars are invited to contact him.

The Pittsburgh Motel, 1992 Conference Site, is conveniently located near the turnpike and airport. They will give pre-paid Conference Registrants before August 16 Preferred Accommodations! Call (412) 922-1619 and mention WTFDA 1992 to reserve your room at as low as \$29.50 per day single occupancy.

A modest Conference Fee of \$12 is being charged to help offset administrative costs. Conference Fee's may be sent in advance to Michael Goetsch, c/o The Pittsburgh Motel, 4270 Steubenville Pike, Route 60, Pittsburgh, PA 15205.



## FM NEWS

Readers' Reports, FM Fasing, Philters.

Frank Merrill has finally posted all his FM DX to the newest "FM Atlas." "And I wasn't satisfied until my 'tag counted' total. . . all tied out exactly. What a job! Took two days: one day to mark them in, one day to tie out minor differences of two or three stations." In the process, Frank discovered some FM Atlas errors—three stations missing on the 101.7 frequency (add 1A Burlington KBKB-FM \$ 142 50000, KS Emporia KEGS \$ 91 3000; KS Fort Scott KVCY \$ 108 3000). Maps should list WSOY-FM Decatur IL on 102.9 and WKLT Petoskey MI on 98.9. Both Frank and Roger Winsor heard the new monophonic WTKC "91.1 Kankakee IL—an educational band "TIS" station with a tape loop of news of the area, but no live weather, time or news. "Quite boring," said Roger. The station should be easy to ID on DX openings, as it gives its call letters frequently.

### WSTW 93.7

John Ebeling: "I also have all the issues of both the Atlas and FMedial. Just finished repairing an old '37 Philco AM/SW radio at Marty's TV. Needed new filters and a bunch of paper coupling/bypass capacitors replaced. Radio now works surprisingly well and short wave even works. The cabinet on this set (console model 37-604) is in excellent condition. . . I see the old WEBC-FM (Duluth MN 92.3 mhz) tower has had all the telephone/microwave equipment removed from it. It sure looks bare now. Wonder how long it will remain, as it appears to no longer serve any purpose?" [The tower is owned by the MN Highway Department, and is looking for tenants. It stands at 328 feet, down from its original height of 526 feet, but still very prominent atop the Duluth hill antenna farm—the place from which all Duluth and Superior WI FM and TV station DX originates.]

"If you're hearing the midwest or Ohio valley on a Sunday afternoon and hear classical music on 98.7, do not assume you have WFMT Chicago," writes Douglas E. Smith. "WHOP-FM Hopkinsville KY airs classical music on Sunday afternoons. . . Other times, the 'k' format in the 'FM Atlas' is accurate. Second, if you hear 'KYTN' 104.9 there's no such station. What you actually heard was WKWT Union City TN. The KYTN nonID is apparently a reference to the nearby cities of Fulton KY and South Fulton TN. This one had Tom Bryant and I confused for a few minutes during a DXing session at his place a few weeks back. Bruce, this should be added as a strict nonID; while I haven't listened across the hour for a legal ID, I've never heard the WKWT calls on this station." WMUF-FM 94.1 Paris TN is mono, as are WHFH "88.5 Flossmoor IL and WFMH-FM 101.1 Cullman AL. Doug went through an old stock of VUDs and saw an item about the interference to WISC-TV (3) Madison WI. He was on the crew that tracked down an errant Finco TV distribution amplifier in Rewey WI. The home owner cooperated and the defective unit was replaced by a new one. "The LMA between WYZM 105.1 and WMMM-FM 105.5 in the Madison area is rather interesting. A former colleague was responsible for the petition that got 105.5 allocated to Verona. . . Maybe the LMA will somehow permit WMMM-FM to seek a transmitter site closer to the U. of WI campus. I don't hold out much hope for WYZM's success with a 'k' format. WWQM 'Q-106' has the FM country audience sewed up; WJVL 99.9 seems to do reasonably well in Janesville-Beloit (where WWQM, a Class A, is lacking in signal); and WTSO 107.0 AM has a pretty good signal in areas north of town. There just

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Contributions invited!

aren't any real big format gaps in the Madison market." [At last word, WMAD-FM (p) 92.1 and AM Sun Prairie have left the air.] "WVSU "91.1 Birmingham AL is really pushing the definition of noncommercial. When heard, they were running oldies rock—and a 60-second spot for Cellular One Why doesn't the FCC just drop the praterse and relabel them 'nonprofit'?" [No more jazz on WVSU?] "If any rock music fans in the WTFDA want a good example of what AM can sound like given proper engineering and a decent format, they should travel to Huntsville AL with a good radio [or DX the station?] and listen to WTAK 1006 kHz. TAK must be the only remaining AM station with a 'rp' format—and they really sound like FMI. . . Now that translators can run considerably more than 1 watt here in the East, can we have translator powers shown? Also, how difficult would it be to put translators in the by-frequency listings?" [I am starting to show translators with over 100 watts in FMedial and selectively here, as well as in larger type on the FMaps. I once mixed translators with stations in my own by-frequency lists, but there got to be so many translators that I had to segregate them. For the same reasons I am not listing formats in the by-frequency section I won't add translators there—too much clutter and too little time on my part!]

Both Doug and Roger Winsor like Mike Knitter's new FM Log. Roger says it is quite up to date, while Doug writes, "It's definitely a worthwhile adjunct to the 'FM Atlas', though definitely not a replacement for the Atlas. The presence of transmitter coordinates makes it possible for computer-equipped DXers to calculate distance to much better accuracy than previously possible."

Keith Pugh noted the Florence translator moved from 98.3 to 98.7. Networking are WXFL 96.1 Florence, WLBI 98.7 Warrior and WYAM 106.1 Hartselle AL, all \$, and all lame. WYAM has been on-and-off, so DXing prospects there may be uncertain. "The above three stations are a total waste." Keith had some Mexican mysteries which he'll send to another VUD column for possible sorting out. Bill Rogers owns the Florence translator for WKDF 103.3 Nashville, but he's being opposed by the people owning the WHVK-WZYP (TN-AL) LMA who have filed applications for translators which would block his plans and/or his ability to pick up WKDF clearly for an alternative rock station for Florence-Decatur. Rogers sent me copies of his FCC filings, which is typeset to be summarized in more detail in July's FMedial newsletter.

Tom Bryant sent an old program guide for W4XA, 26.150 kc, 1000 watts, Nashville TN, owned by WLAC, for 1941. Programming was from 11 a.m. to 1 p.m. and 6:30 to 9:30 p.m., mostly classical music. I think this was an "Apex" station, a medium-fi forerunner to FM. Ned Horton's still running WRLT, and Tom said there are no further developments on that front. And in ND, a retirement party for KNDR's old transmitter—something most



of us have never celebrated! In SD, Lakota Indians want Tom Casey, acting manager of KILI "90.1, to step down, charging that as a nonIndian, he fired Lakota employees and used unfair and biased reporting. Casey will not resign until his board tells him to leave.

"Damark is selling \$39 digital tuners," notes Bill Nienajedly. "This one looks the same as my FM-680 from Fisher, which I bought for \$49 from the Feb. Damark catalog. . . Do you have any idea who is 'WJMS' on 105.3?" [Must be WRLO Antigo WI, probably another station on the Milwaukee Brewers network-b.s.] Bill says KWWN-FM Wynne AR now can be DXed on 92.5, from 92.7; I wonder if it has Stereo or not. "The success of Bolin's phase box is very evident as many strong top stations normally block out DX, but now it is really easy to get past the closer ones." He realized DX on three New York city local frequencies.

"Wow! I just turned the knob and the stations popped right through," with many on the same antenna bearing. Bill goes on: "In the Nov. '90 VUD, Tim McVay has plans for a five filter IF amplified circuit board. Rich Sheftan constructed two of these. One he put in his G-E Superadio. And the selectivity is excellent! You should consider building one of these boards and trying it out. I have one now in that \$49 Fisher tuner by Damark and the selectivity is much better. But I want a bit further. As you know, some tuners that have 3 or more IF filters sometimes bridge two in series at a time. This is good and bad. It does increase selectivity, but does knock down sensitivity. This is not noticed at all with stock filters, but when you replace all the filters—especially in a bridge—you get a loss in sensitivity." He claims you can remove the bridge and install the two new filters in parallel, which might help sensitivity. Hmmph! I'll believe this when I see it. Bill's diagram gets a bit complex; if you want to advance the frontiers of filters' research write Bill [see address in "Eastern TV" column]. I modified two Magnum/Dynalab FM tuners: one an older FT-101 and the other a new FT-101A, similar to the "Etude." Results were the same. Two 110s gave razor sharp selectivity with no evidence of loss of sensitivity, but slight difficulty in tuning. I backed the selectivity off by installing a 150 in one of the slots formerly occupied by a 110; this enabled SCS at 92 kHz to play (especially when set on the "wide" mode). The skip of June 14-15 I DXed very well with the tuner in "wide" mode, not needing extreme selectivity. By the way, the new G-E "Superadio" will have a "narrow" selectivity setting; it should be ready in August. I have 18 of the older 7-2885s for sale at \$54 plus \$4.50 shipping; it can be modified at extra cost for FM-SCS band(s) and for more selectivity. Re May VUD and the item about not repairing an old FM tuner with a burned out RF transistor. "Most transistors are interchangeable with others. For instance, a common 2N2222 is interchangeable with 20 or more different numbers," proclaims Bill.

Speaking of old radio guides—Max Engel sent some interesting info on DXing then compared to now. "In one of your recent columns you mentioned WGHF as being in Brookfield CT. Prior to that, WGHF was here in New York city with studios at 10 E. 40 St. For a while WGHF (101.9) was affiliated with the Rural Radio Network (and) owned by G. H. Finch. At one time during the '40s (I don't remember the exact year), WGHF was marketing a FAX attachment to an FM receiver, similar to SCA. It was the hope of Mr. Finch that people could receive their newspaper by radio." The information Max sent included a sheet describing the Rural Radio Network, with all the locations in use today, such as DeRuyter 105.1. There were some surprises. WVBN Turin 107.7 was located between Westtown and Rome, and the Ithaca station was WVFC 95.1. WVFC left the air in 1949, with WHCU-FM 97.3 becoming the Ithaca affiliate, and Bristol Center took over 95.1 (it had been on 101.5). Max sent a copy of a letter he received from Phyllis Guterman, program department, at RRN's Ithaca headquarters, dated June 28, 1948, mentioning their plans to do a printed program schedule. The network was on with uplifting program for farmers from 8 a.m. to 9:15 p.m. Mon.-Sat. and from 8 a.m. Sundays. The schedule was designed for children, "minus the blood and thunder," with weather

reports from the high-altitude transmitter sites, and news analyses. "Recognized analysts who understand Northeastern agriculture will interpret the news in terms of what it means to farmers." By March, 1949, the network was heading into decline, with it giving up Sunday broadcasting and delaying sign on to 8:30 a.m. and sign off at 7:30 p.m. "Although some programs will be eliminated, none of the basic service programs—such as newscasts, weather and market reports—is affected by the change. The fundamental objective of the Rural Radio Network is to provide these services to farm people. Surveys and analyses of listener mail has demonstrated that the hours at which farm people want their services are 6:30-8 a.m., 12-1 p.m. and 6-7 p.m. Rural Radio Programs are concentrated in those hours." I wonder if they thought of DXers and the programs of other stations coming in when their transmitters were silent?

Jim Renfrew sent some info on the Toronto 99.1 situation, with new applications entertained by the CRTC only from existing broadcasters wanting to upgrade. Rewico, permittee for 92.5, wants to change to 99.1, while CFMX-1 96.3 wants to upgrade, and so does CJEE 97.3. CHIN-FM wants to go from 4 to 8.5 kw, but staying on 100.7. Some of the information came to Jim from Don Treford of the NRC.

Carl Dabelstein sent word on the NRC convention '92 in Omaha at the Days Inn, 3001 Chicago St., ZIP 68131, Sept. 4-6. I am sure WTFDAers are welcome, and he invited me to do a technical session; no decision yet on my part. Get a free convention packet from Ernie J. Wesolowski, 13312 Westwood Lane, ZIP 68144-3543.

Glenn Hauser, before he moved back to OK, tracked down a local NM pirate—a guy who claimed the rebroadcast was legal, playing tapes of his favorite records. It was on 89.5. "I was the first to track him down. Told him 89.3 or 89.7 would be clearer for him. . . In case you've lost track, World of Radio schedule (CDT) is Friday 4:15 p.m. 15698 kHz; Sat. 7 p.m. on 7355, 10:05 p.m. on 7435, Sunday 3:30 p.m. 15420; Sunday 6 a.m. 15690 and Monday 3:45 p.m. on 15690."

"I am happy to say that I'm ordering the FM Atlas for the first time!" says Mike Hawk. "I was using the NRC FM Log, which was very good, but with the FM Atlas, I'll have the advantage of being able to see where stations are located without having to look each city up in my road atlas, like I did last year. . . With my new tuner and improved antenna, along with the FM Atlas, I'm looking for a lot of fun this summer! I've been experimenting a little with antenna phasing lately. With my KT-815, I was using a pair of rabbit ears and 1/4-wave wire. It was straight up phasing, no capacitors or attenuators. First, the rabbit ears alone had more gain than the 1/4-wave wire, but the wire had deeper nulls than the rabbit ears. Phased together, though, it had slightly more gain than the rabbit ears and nulls deeper than the wire. Even though it worked great, two dipoles phased didn't equal my FM-10. . . I really enjoy reading your column. Keep up the good work!" Mike implied that KIWR "89.7 Council Bluffs might not be a DX target much longer, since they are losing money. They are considering selling, but are first trying to raise money from listeners to keep it on the air one more year. Mike kindly promises to send along any station changes he might spot.

Those are the end of the mailed-in contributions. Look below, readers, for "See Also," where you can see what nuggets I culled from other columns in last month's VUD.

#### New FM Station, Translator Grants

All translators have less than 100 watts unless indicated otherwise (dots selected)  
 AZ Mingus Mountain K244CN 95.7 (K1HX 106.7 Prescott Valley)  
 AZ Prescott K215AV "90.8 (KNAU 89.7 Flagstaff), on air  
 AR Batesville K234AC "94.7 (KUAR 89.1 Little Rock), 250 h.y.  
 CA Greenfield "88.5 1350 h.y.; 727 m, Prunedale Educational Association  
 CO Boulder KYGO-FM 98.5 250-h booster of Denver station  
 CO Cripple Creek K240CH 95.9 (KKCS-FM 101.9 Colorado Springs) (Boulder)  
 CO Fort Collins K260AC "99.9 (KGNU 88.5/

#### FCC-FM

CO Longmont K261AB 98.1 (KYGO-FM 98.5 Denver), 260 h.y. [93.3 Danbury]  
 CT Bridgeport W285GE "104.9 (WFAI/CT Huntington WMMR-1 "88.1 75-h booster of Monroe station, reinstated  
 FL Ormond-by-the-Sea 95.7 3000 h.y.; 100 m; McFayden Bostg., initial decision, subject to reversal [Golf Media, Inc.]  
 IL Mount Morris 95.7 2700 h.y.; 151 m/  
 IN Fort Wayne WDFM-1 "88.1 booster of Defiance OH station; power not stated  
 KS Casey KEOJ 101.1 3000 h.y.; 100 m, KXDJ, Inc., CP reinstated  
 KY Hardinsburg 104.3 3000 h.y.; 100 m  
 MN Coleraine 95.1 100000 h.y.; 176 m, Lattis  
 MO Ashby (NW Joplin at KS border) 103.5 6000 h.y.; 100 m, Wm. Bruce Wachter  
 MI Muskegon K208V 103.9 (KALS 97.1 Kalamazoo), CP reinstated  
 NM Clovis 102.3 25000 h.y.; 100 m, Karen Ann Mainieri [Las Vegas NV]  
 NM Silver City K204BU "88.7 (KILA 90.5/  
 NM Texico 96.5 4000 h.y.; 119 m, North Plains Bostg. Corp. [Im, Cheryl Busch]  
 NY Conklin (Binghamton) 100.5 3500 h.y.; 132/  
 NY Warsaw "68.3 7000 h.y.; 150 m, a Family Life Ministries, Inc.  
 NC Seneca 106.7 3000 h.y.; 100 m, S. FM, Inc.  
 ND Dickinson 99.1 100000 h.y.; 217 m  
 OH Columbus WHOK 195.537 watt h.y. booster of Lancaster station  
 TN Cookeville "89.9 3000 h.y.; 212 m, g. Somerset Educ. Bostg. Foundation  
 TN Lebanon 92.9 3000 h.y.; 100 m  
 TN Mount Juliet (Nashville) 106.7 3000 h.y.; 100 m  
 TN Mount Bostg. (see "Deletions," "Donelson TN below) [89.9 Laredo]  
 TX Eagle Pass K204BT "88.7 (KBNL)  
 TA Matamoros XHVCV 107.1, 1, "Probably stereo, but can't tell from here."

#### Call Letters Assigned or Changed

AL Oxford 97.9 WYOK (WKFH)  
 FL Cocoa Beach 104.1 WYHE (WZTU)  
 FL Nicewille 100.3 WNCV  
 IL Kankakee 95.1 WKVF  
 IN South Whitley 101.1 WLZG (WGBX; WGBX remains in Omega GA, 107.5)  
 KY Shepherdsville 105.1 WEHR (WWQE)  
 LA Haughton 103.7 KZWB  
 LA Lake Charles 105.3 KZWA  
 ME Seabrook 101.7 W2YA  
 MI Holland 95.1 WKEZ (WYXX)  
 NM Bloomfield 104.5 KKEG (KCEM-FM)  
 NY Fort Ann "91.7 W2YB  
 NY Fort Plain 101.1 WBUG-FM (WLKO)  
 NC Roanoke Rapids "88.5 WZRU  
 NC Wingeat "91.9 WRCM  
 PA Oil City 96.3 WKOW-FM (not "98.3," as mentioned in May, p. 1, col. 1)  
 PA Tobyhanna 107.9 WFWP-FM (WFWP); AM is in Mt. Pocono  
 SC Walterboro 100.9 WNTC (WALD)  
 TX Amarillo 96.9 KLSF  
 WA Camas 94.7 KMUZ-FM (KMUZ); AM is in Gresham WA  
 WI Eau Claire "91.3 WHEM (WYDR)  
 WY Douglas 99.3 KTKY-FM (KKIC-FM)

#### Facilities Changes Granted

AL Florence W254- "88.7 has WKOF 103.3 Nashville TN (not W8TG 106.3 Sheffield); remove W252A 98.3 from the listings.  
 AL Muscle Shoals W274- 102.7 (from W280AH 103.5)  
 AZ Bisbee KZMK 92.3 (from 92.1)  
 AZ Mingus Mountain (from Camp Verde) K255AC 104.9  
 AZ Phoenix K257CD 99.3 has KRIM 104.3 Payson (from KVVA-FM 107.1 Apache Junction)  
 AZ Prescott K246- 97.1 with KSLX 100.7 Scottsdale (from K296AM 107.1 with KOKB

#### KQLW Moves to Lake City

93.3 Mesa)  
 K285CI 100.9 has KADS-FM 105.3 Wickenburg (from KMXX 101.5 Phoenix) [BJ 91.5  
 AR Forrest City K234AB "94.7 (from K218-AR Hope K295AB "106.9 (from K2148 80.2)  
 AR Monticello K295AA "106.9 (from K220DM 91.9) [h.y.; 180 m, C2  
 AR Mountain Home KPFFM 105.5 33400/  
 AR Valleyville KCTT-FM 97.7 60000 h.y.; 116 m; S7  
 CA Avenal KRCI 92.7 3000 h.y.; 49 m  
 CA Burrey KNYA "89.7 447 m (2300 h.y.)  
 CA Marysville KRFD 96.9 685 m (1700 h.y.)  
 CA Merced KAMR 101.5 16800 h.y.; 258 m  
 CA Oxnard KXLM 102.9 5500 h.y.; 34 m  
 CA Stockton KFMR 100.1 6000 h.y. (87 m)  
 FL Tallahassee WVFS "89.7 2700 h.y.; 53 m  
 GA Clayton WGLA-FM 107.3 (from 107.1) 25000 h.y.; 100 m, C3  
 GA Swainsboro WJAT-FM 98.1 (from 98.3)  
 GA Trenton WBDX 102.7 320 h.y.; 419 m; transmitter Lookout Mountain; format m;  
 GA Wrens WAKB 96.9 (from 99.7) 14500 h.y.; 131 m, C3  
 ID Rexburg KADD 94.3 25000 h.y.; 90 m, C3  
 IL Dixon WIXN-FM 101.7 6000 h.y. (100 m), Not "WKN-FM," p. 176, FM Atlas-14.  
 IL Pana WKFO-FM 100.9 6000 h.y. (88 m)  
 IN Mount Vernon (new) 106.7 96 m (3000 h.y.)  
 IA Fairfield KLIK 95.9 4100 h.y. (122 m)  
 IA Newton KLVN 95.9 5100 h.y. (108 m), "FM 96" (from "StarStation")  
 KY Beaver Dam WVPV 100.7 (from 102.7)  
 KY Horse Cave WLKM 106.7 (from 100.7)  
 KY Louisville WAMZ 97.5 198 m (100000 h.y.)  
 KY Mayfield WXID 94.7 38000 h.y.; 123 m, non-D-A [000 h.y. (43 m), C3, \$  
 LA Natchitoches KDBH 97.3 (from 97.7) 11-  
 ME Biddeford WSTG 94.3 12000 h.y.; 144 m  
 ME Blue Hill WERU "89.9 15200 h.y. (274 m)  
 MD Bethesda WLT 94.7 20500 h.y.; 235 m  
 MN Lake City (from Wabasha) KQLW 102.5 9400 h.y.; 161 m, C3; \$  
 MN Lakeview K2P2 105.1 2800 h.y.; 152 m  
 MN Winona KAGE-FM 95.3 10900 h.y. (151 m)  
 MO Carthage (from Webb City) KMXL 95.1 50000 h.y.; 144 m, m format  
 MO Camille KZNR 101.1 2700 h.y.; 149 m  
 MO Cheffey KYRK 104.7 6000 h.y. (100 m)  
 MO Columbia (new) 102.3 (from 93.5)  
 MO El Dorado Springs KESM-FM 105.5 4500 h.y. (59 m) [C2, adds vertical  
 MO Houston KUNQ 99.3 26000 h.y.; 207 m;  
 MO Vandellia KLRK 104.3 (from 100.1)  
 MO Webb City (from Carthage) KKL-FM 97.9 (from KRKG), g  
 NE Kearney KRNK 102.3 25000 h.y. (100 m), C3  
 NM Los Lunas K2PY 106.3 100000 h.y.; 200 m, C1  
 NY Clayton W217AE "91.3 (from W204-  
 NY Little Falls WDWB 105.5 2900 h.y.; 142 m  
 NY Oneonta WSRK 103.9 2050 h.y. (159 m)  
 NY Rensselaer (from Troy) W286AC "93.1  
 WQBK-FM 103.9 6000 h.y. (91 m) [88.1]  
 NC Charlotte W220AD "91.9 (from W201AB/  
 NC Concord WPEG 97.9 83600 h.y. (491 m)  
 NC Durham (new) "90.7 50000 h.y.; 132 m  
 NC Fairmont WSTS 100.9 50000 h.y.; 150 m, C2  
 NC Fuquay-Varina WNNN 103.9 10100 h.y.; d-;  
 159 m, C3 [m (100000 h.y.), C1  
 ND Fargo KSMN 107.9 233/ [adds d-a  
 OH London WCKX 106.3 60000 h.y. (100 m)/  
 OH Manchester WAGX 101.3 91 m (3000 h.y.)  
 OH New Lexington WJWM 106.3 1700 h.y.; 181 m [000 h.y.; 239 m, C1  
 OK Woodward WKFV 108.1 (from 93.5) 100-  
 OR Bend KOAK 105.7 40000 h.y. (180 m), C1  
 OR Herbeck-Fruitdale KAJQ-FM 98.3 130 h.y. (839 m) [93.5 1250 h.y.; 219 m  
 PA Mechanicsburg WTPA/ [119 m)  
 PA Washington WJPA-FM 95.3 42000 h.y. (119 m)  
 SC Greer WRDQ 103.3 2700 h.y.; 151 m [m]  
 SC West Columbia WSCQ 100.1 5900 h.y. (101/  
 TN Clarksville W244AL "96.7 has WAYM

Columbia (from WZEZ 92.9 Nashville)  
 TN Cookeville WTTU "88.5 2000 h (horizontal only), 50 m  
 TN Crossville WKVL 99.3 6000 h.y. (79 m)  
 TN Humboldt WZCD 102.3 5000 h.y. (91 m)  
 TN Huntingdon WZDR 100.9 6000 h.y. (91 m)  
 TN Lafayette (new) 102.1 (from 104.1)  
 TX Corpus Christi KSNL "91.7 (having moved from 91.9) 5000 h.y. (91 m) [m, C2  
 TX Plainview KYYN-FM 103.9 25000 h.y. 108/  
 TX Port Lavaca KPLV 93.3 97 m (100000 h.y.)  
 TX Rosenberg KMIA 104.9 164 m (3000 h.y.)  
 TX Texarkana KTKX "91.5 5200 h.y. (102 m)  
 VA Grundy WMDJ 97.7 1400 h.y. (149 m)  
 WV Charleston WVNS 96.1 45000 h.y.; 157 m  
 WV Rainelle WRRL-FM 95.3 3100 h.y. (140 m)  
 WI Clintonville WJMO 92.3 (from 92.1) 6000 h.y. (81 m) [h.y.; 98 m; now on 92.31  
 WI Hayward WRLS 92.3 (from 92.1) 6000/  
 WI Rhinelander WRHN 103.3 100000 h.y.; 239 m, C1, adds vertical  
 WI Whitewater WSLD 104.5 100000 h.y. (100 m), see "Deletions," Wausau below. A Class C1 station in B territory?

#### Stereo—or to be Stereo

CT Stamford WEDW-FM "88.5 confirmed stereo, except that it properly turns off its stereo generator for "All Things Considered"  
 IL Arcola W2XN 107.8, ID with Charleston Metton  
 IN Terre Haute WCRT "88.5  
 KS Great Bend KHCT "90.9  
 KY Frankfort WKED-FM 103.7, o[diodes]  
 ME Thomaston WAVX 106.9, on air, classical.  
 SD Watertown KSDR-FM 92.9, "KS-93" (strict), k, tu, 67 kHz  
 TX Claude KARK 95.7  
 WI Wausau WY2M 105.1  
 WI Wausau WY2M 105.1  
 ME Sanford WSEW "88.5

#### See Also June VUD For

KS El Dorado KBUE 99.1 The New Lite 99 (from "K Buzz"), Coniglio, p. 23  
 MI Port Huron WGR 102.3 StarStation (from "Great 102.3"), Hall, p. 24  
 MN Truth or Consequences KSMM 98.7 98 Plus (from "Sun Country"), Pugh, p. 20  
 NY Catskill WCTW 98.5 The Cat (note new calls from WQKZ), Sheftan, p. 23  
 NY Wurtsboro W2AD 97.3 Pure Gold (from "Wizard"), Sheftan, p. 23 [p. 24  
 OH Loudonville W9WZ 107.7 The Breeze, Hall/  
 OH Edmond KOKF "90.9 91-FM, Coniglio, p. 28  
 PA Coudersport WFRM-FM 96.7, The Wizard/  
 PA St. Marys WKBI-FM 94.3, The Wizard (from "Rocket"), Hall, p. 24  
 PA Sayladesburg WMRE-FM 95.5 apparently plays music in stereo along with its new talk format; color "am mt, \$, Niman, p. 23  
 PA Smythport WDRM 106.3, The Wizard (from "Rocket"), Hall, p. 24  
 TX Sanders KHL 98.3 A Hit Hitz 98 (but may be off the air now), Hawk, p. 24  
 TX Palestine KYYK 98.3 Hit Country, Hawk, p. 22  
 VA Fredericksburg WFLS-FM 93.3 k, [ran-  
 NIGERIA—are frequencies like 95.774 Benin City and 97.66 Lagos for real—or is this spurious accuracy? Which stations there have stereo and do they have a 67 or 92 kHz SCS carrier with hidden music or talk programs? Adekunle, pp. 25-26.

#### Format Changes

Formats are the same as in the "FM Atlas"  
 AZ Lake Havasu City KBBC 101.1 r[ock]  
 AZ Oro Valley KRKN 97.5 op  
 AZ Phoenix KPSN 96.9 o  
 CA Grover City KWCD 107.3 k, returning to air  
 CA Ridgecrest KLOA-FM 104.9 k  
 CA San Luis Obispo KJJB (was KKUS) 98.1 k, "The Jug"

# FCC-FM

CA Santa Ana KWIZ-FM 96.7 drops Korean, temporarily fm, but going to brokered ethnic. Lowest "Radio Korea" non-ID; future stereo status unknown.

DE Lewis WXJN 106.9 on air, k; 87 FL Tallahassee WRZK 106.1 p, Z-Rock

IL Macomb WJED 102.7 op IN Brownsburg WDFE 101.9 mr, \$[tereo]

IN Corydon WQZB 96.6 w. "They're pretty loud—have they upgraded to 81 or 87?" [Not yet—b.e.] WKID 95.9 w/way IN had "horrible audio, sounded like no frequency response below 400 kHz," and still monophonic.

KS Augusta KLLS 104.6 kr, "a mixture of country and adult contemporary music"; ID with Wichita and variable third city

KS Kansas KOCB 105.3 op, but still on 88.3; "upgrade from 88.3 has not yet occurred."

KY Bowling Green WWHR "91.7 p, s, "New Rock 92" (not strict)

KY Elizabethtown WQXE 98.5 (having moved from 100.1), o, "Quixote 98.5"

KY Madisonville WTTT-FM 108.9 mr LA Winfield KVCL-FM 92.1 k

ME Presque Isle WTNM-FM 96.1 mr MN Brownsville KXDL 99.7 o, s, on air

MO Joplin KKUZ 102.5 k NE Hastings KEZH 101.6 k, "KZ Country" (from "Magic 101")

OR Eugene KZEL-FM 86.1 op PA York WQXA-FM 105.7 o

SC Anderson WMMN 107.3 r, "The Heat" (from "Magic 107.3")

SC Georgetown WSCA 93.7 op TX Colorado City KAUM 106.3 k

TX Gilmer KLSQ 95.3 o VA Accomac WVES 99.3 k

VA Buffalo Gap WSKO 105.5 fm VA Richlands WRIC-FM 100.7 mr

WI River Falls WRFW "87.7 r, no longer carrying WI Public Radio talk shows

## On Air and DX Ready (Selected)

AZ Prescott KNOT-FM 99.1, from 98.3 PA Philadelphia WMMR 93.3 now 18000 h.v;

252 m, with new transmitter, "but I was hoping that they would only be at the reduced signal strength temporarily" for Hazleton-area reception.

W306AD "107.9, "another frequency shift" And moved to 107.9 from 89.3 is WHHS

\*88.3 Haverhill PA, its signal is said to be better in downtown Philly than W306AD, whose W306AD has its transmitter, WHHS now stereo? WYRM 97.1 Mountaintop,

WQLS 93.7 Dallas and WKAB 103.5 Berwick "have all blocked out distant stations. I used to receive WSTW 93.7 Wilmington DE at about 22 dB but it has been completely blocked by WQLS."

WI Spring WRVM 102.7, building its 299-meter tower (100000 h.v.). Was at reduced power in June, but should be on with maximum DXing facilities by now.

WI Tomahawk WJJD-FM 92.5C3 from 92.7A

## Off Air or Not Yet On

AZ Payson KRMM 101.1 AZ Sedona KOST 101.29, still on 100.1; remove "100.1 KOST1" from Prescott, p. 70 map

KSED 107.5 AR Da Witt KDEW-FM 96.7 and AM

IL Rantoul WLTW 86.1 KS Clearwater KSQB 96.7, may be urban

KS Hutchinson KJUS 97.1—expected on soon, with construction of tower at Haven KS, but no antenna in place and no format announced

ME Kennebunkport WXPRT 104.7 ME Kittery WKGD 105.3

MI Bear Lake WRQT 100.1 MI Lekevi, w/WHZ 106.3

MI Marshall WELL-FM 104.9 MN International Falls KICC "91.5

NH Somersworth WTSN-FM 98.7 NJ Atlantic City WJNJ "89.7

# WAMB-1, WCCX Doomed by New Grants

NJ Ocean Shores WDNJ 98.5 NM Deming KZPI "91.7 NM Las Cruces KRUX "91.5, KVLC 98.5 PA Shamokin WSP1 95.3, "and its AM sibling off indefinitely due to financial problems."

TX San Angelo KKLK 101.9

## Deletions

AZ Camp Verde K257AW 89.3 K2800B 103.8, an unbuilt CP

AZ Cottonwood K218BU "81.1 "for failure to prosecute"

AZ Prescott K288BA 105.5, because of KVRO-FM 105.7 Cottonwood, which is only 38 watts, but which claims to be "3000 watts"

AZ Show Low K211BR "90.1 CA Lompac K213BK "90.5

CA Santa Maria K218AF "91.5 CA Scotia K207BA "89.3

ID Gooding KCRQ 101.3 IN Knox WUVX "89.3

IN Winamac WOTO 100.1 LA Jonesville KMES 101.1

MA Winchester WHSR "91.9 MI Pentwater WVKG 103.1

MS Pascagoula W26AD "89.1 NY Poughkeepsie 96.1 CP rescinded

NC Greenville W204AD "88.7 OH Miamiaville WMHs "89.9

TN Donelson WAMB-1 108.7, because of new grant to Mount Juliet

TN Nashville W265AE 100.9 TX Hereford KMAZ 103.5

TX Plainview KOTD "90.7 UT Moab KOPI 96.7

WI Waukesha WCCX "104.5, because of power increase at WSLD Whitewater (see "Facts—III," above)

## SCServices, 67 and 92 kHz

Symbols are as in the "FM Atlas" MN Rochester KFSI "88.5 TU, 67 (not TX)

KRCH 101.7 TU, 92 (retains TM, 67) NJ Atlantic City WMMH 103.7 FR, 92 (YE, 67);

the 92 is the same music service as on WQCC 101.9 New York's 92.

## FMistakes, FM Atlas-14

GA Douglas WQMG-FM 98.5 coverage too high, p. 109; is 37 km

KY Wilmore 98.5 WYVI, not WYVI, p. 113 LA Vidale KPXQ 104.7 not on p. 183; is 100 m,

3000 h.v. TX Franklin 101.8 (moving from 98.9) also given KPXQ call letters by the FCC.

(p. 53 map) MN Rochester KROCt is on 106.3, not 103.9; SC Anderson WMMN 107.3 p. 190 shows it with a million watts! (is 100,000 h.v.)

TX Uvalde 102.3 KKKX, not "KLXQ," p. 64 VA Franklin WFWP "91.7 from p. 129

ON Toronto 106.5 CHRY, not "CKRY," p. 96 "I miss FMedit!"

"I am looking forward to this update, and I hope you've given up picking on AM so you can devote more pages to the 'FM' in 'FM Atlas'."

## NonIDS in Use—Not Just Slogans

Mentioned usually without call letters; "strict" if a station only uses call letters once per hour as required by the FCC (et or near top of hour)

AL Arab WCRQ 92.7 Q-93 CO Castle Rock KYBG-FM 92.1 K-Sig, mono

CO Fort Collins KIMN 107.8 Power 107.9 CO Sterling KNNG 104.7 King FM (from "FM 104")

(from "QHL") FL Live Oak WQHL-FM 88.1 Stereo 98/ FL Tampa WUSF "89.7 Concert 90

IN Elwood WEWZ 101.7 Mix 101.7 (from "EZ-101")

IA Ames KCCQ 107.1 Hot FM1 IA Fort Dodge KUEL 92.1 Cool 92

# July, 1992

IA Mason City KIAI 93.9 93-9 KIAI, ID with Austin-Albert Lee MN [Radio KS Goodland KCCR 107.7 Great Christian/ KS Hugton KFKX 106.7 KFX, The Fox

KS Kansas City KUOL 98.1 Cuddle FM KS Manhattan KMKF 101.5 K-Rock

KS Wichita KRBB 97.9 B-Rock KY Louisville WKZS 193.9 Country 103.9 (from "Kiss")

LA Houma KCIL 107.5 C-107 from "Bay-MN Rushford Winone KWNO-FM 99.3 99.3 The Heat (not strict); good stereo signal received in Rochester

("Soft Rock 101") NE Columbus KLIIR 101.1 Clear 101 (from/ NE Norfolk KEXL 106.7 Great Hits 106

NE North Platte KELN 97.1 Hit Radio 87 NE Omaha KESY-FM 104.5 Soft 104%

NE Sidney KSIO-FM 98.7 Bright 98 OH Cleveland WPHR 103.9 The End (from "Power 103")

PA Huntingdon WLAK 107.5 Lake 103 WOHG 106.3 Q 106-3

PA Philadelphia WYSP 94.1 uses calls, "94-WYSP," not "94-1" and "the classic rock station"

WYDB 96.5 uses calls, not "96-5." "Didn't hear anything on 41 kHz SCA."

SD Sioux Falls KLLS-FM 104.7 Sunny 104.7 TX Galveston KQDK 106.5 Hot 106.5, still Spanish

WI Elk Mound WECL 92.9 uses calls, not/

## Multi-City IDs in Use

CA Long Beach KSKQ-FM 97.9 with Santa Ana-Los Angeles, and doing some cross-continent simulcasting with WSKO-FM 97.9

New York via satellite. KSKQ-FM says "la nueva efay amay novanta y ocho."

CT Hamden WKCI with New Haven MO Harrisonville KCFX 101.1 with Kansas City

NE Bannington KRRK 93.3 with Omaha-Council Bluffs (IA)

NC Lexington WWSL 94.1 with Winston-Salem-Greensboro-High Point

## AM Happenings Most Likely Caused by FM

AR Marked Tree KPCC 1480 deleted by FCC AR Pine Bluff KCLA 1480 and KZYP 98.3 FM

arrent LMA with KPBD 101.3 Pine Bluff CA Brunswick WHJX 790 silent pending sale

LA Farmerville KTDL 1470 silent ME Portland WLPZ 1440 business radio, from "Z-Rock"

MD Gettysburg WMEY 1150 shut down after Satellite Music Network sent sheriff to seize all unscheduled assets. SMN was owed \$460, 850 by Beltway Communications, radio licenses. Value of seized property, including office equipment, only came to \$15,000.

Sandra Linden, general manager, has been labeled by employees as an "eccentric," who consulted a psychic before making decisions. The station later returned to the air after working out an LMA with WPGC 1550 AM

Morningside MD.

MI Albion WALM 1280 silent, along with Battle Creek [in Marshall

MI Battle Creek WELL 1400, along with FM/MS Gulfport WQFX 1130 silent

NJ Lakeside WKNJ 550 not on air—slow in building, as is NJ Oakland WVNJ 1150.

NY New York WNEW 1130 threatened by a buyout by Salem Media owner of WMCA 570, which would probably turn it into religion. WNEW-FM 102.7 has separate owner.

"Westwood One, realizing that it might not own WNEW by next fall, already is planning to put the Giants on the FM station it owns, country WYNY" 103.5. However, disagreement between owners Robert Silberman and Westwood One makes the sale unlikely. In the meantime, the station continues to lose money, but is rich with nostalgia buffs who would miss the Frank Sinatra sound of this big Amer.

# SOUTHERN FM DX

JULY 1992

SOUTHERN FM DX is for reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, WV & WY.

## ANOTHER BAD SKIP SEASON SHAPING UP?

Since the Es activity around Memorial Day, the season has gone straight downhill. Though early, little Es has been reported for early June, so far, as of the 13th. Not even the morning DXers, who were doing little of the complaining over the poor season last year have reported much for June. So things are have started looking downright discouraging, indeed. Trop-wise, it's not taking up the slack. Nothing very long range can be found there. Hopefully, it's a little too early to be down on the '92 season, so stayed tuned to it. At least one reporter isn't letting the sad state of the season slow him down. He put in a new phaser and made a good number of loggings, some new, that he attributed to the results of phasing.

LET'S HEAR IT FROM BIG ANTENNA COUNTRY. I wish we could get some DX representation from a portion of the country that seems pretty lucrative for great DXing and that's the western Plains as I would define as stretching from the Rockies eastward to Interstate Highway 35 before it curves northeast in southern Kansas. In Oklahoma I-35 makes a good dividing line. While driving I-35 in the view to west the land seems to be flatter and more treeless, typical of the western Plains, when compared to the view to the east, which appears hillier and woodier, typical of the eastern Plains. From my past impressions gathered after traveling in the western Plains area, I fondly like to think of that area as Big Antenna Country. That's where many of the rural residents, so very distant from the metro TV stations, have had to become like serious DXers and erect large antennas high atop poles and towers. In a land that's usually ruler flat and treeless, the super antenna installations really jazz up the landscape, especially for DXers driving on the lonely roads. Rotators, stacked VHF's and 7 ft. dishes are sometimes used. But strangely enough, in this neck of the woods the DX bug hardly ever bites in this neck of the woods, judging from the lack of reports from the area over many years. Instead, the DX bug seems to prefer to bite in huge urban areas. There a newly enthused DXer may be moved to put up an outdoor antenna and then find even regular out of town reception ruined due to local overloading all over the dial. To name names, the Realistic DX-440 has been known to act up like that in Houston, TX. Meanwhile the people in Big Antenna Country are quite likely to be perturbed by the lack of entertainment choices to regularly listen to and question what can be done about it. Never mind the tremendous DX possibilities. Several years ago I got a letter from Big Antenna Country. It was from a new member recently moved to Woodward, OK from California. He joined the club in hopes of getting some ideas for antennas to use in bringing in a greater variety in the FM programming. Strangely enough, he mentioned not caring much about turning DXing into a hobby. Woodward, as the FM Atlas shows is one of the most isolated towns in Oklahoma for regular FM reception. What little there is available is just rock and country. To find things more isolated than this in Oklahoma, one must go to the western panhandle, in the heart of the Dust Bowl. I told the DXer not to expect much better, no matter what he tried to do. The nearest high powered public radio stations offering something different were over 125 miles away. I told him he could at least respect the heavy fading from the more distant stations would subside somewhat during the evening and morning hours when the warmer months of the year returned, which he later confirmed. From the sound of Woodward, one might think it could be the capital city of Big Antenna Country with mega antennas visible everywhere in yards and on roof tops. However, as I recall from driving through Woodward that was not the case to be found. Antennas are on the rare side there. Evidently, cable TV, TV translators along with fierce Oklahoma thunderstorms over the years conspired to keep antennas down. Looking on the bright side from the past, at least one DXer really got into DXing while residing in the western Plains and achieved phenomenal results. During the early 80's in south eastern New Mexico, he logged 1000 FMs in only 3 years. Probably no one has ever this many new stations in such a short period of time. For him, south eastern New Mexico was also a dreamland for TV Es. Down there little if any regular signals are on ch 2-6. The DXer had to move back to urban California and very seldom heard from since. No doubt, the reason why Big Antenna Country is hardly ever heard from is because there just isn't the millions of potential DXers to draw from there that exists in other parts of the country such as the north east. For instance, add up the population of the counties that form the border of western Kansas and arrive at only 21965. Few people wish to move or stay in this part of the country due to the unpleasant weather and the depressed major industries—energy and agriculture. Several years ago a New England professor came cont.....



## SOUTHERN FM DX

cont.

JULY 1992

to study the area. He concluded towns except for metro areas should just be abandoned and the region returned to nature while calling it the Buffalo Commons. With so many counties losing significantly in population, the region probably doesn't need much help from an outsider. In view of this the western Plains will probably always be a rich DX preserve, little explored or exploited while staying far removed from the band congestion DXers must face in the major urban areas, especially along the coasts.

Jeff Wolf 1131 University Blvd., W., apt. 701, Silver Spring, MD 20902

Equip.: Sears AM-FM-TV band radio

5/24 Es EDT

2110 93.5 or 7 Twins baseball

5/25 Es

0958 WQUET 93.3 LA New Orleans

1000 KWIX 97.5 TX Waco

1107 KJEF 92.9 LA Jennings

1253 KTYL 93.1 TX Tyler

5/25 Es

1255 KLTW 94.1 TX Ft. Worth

1300 KBFC 93.5 AR Forest City, ad, wx

"...stereo country" "KBFC"

1313 MUF 97.5

1337 KLSR 93.7 AR Ft. Smith

Keith D. Pugh, 227 Martin St., New Hope, AL 35760

Equip.: McIntosh MR-78, Probe 9

5/9 tr

0852 WMOE 94.1 TN Paris, r, ID

5/12 Es

1026 KVSF 97.9 SD Rapid City, g, ID

1030 KRMC 93.9 SD Rapid City

1033 K202AU 88.3 SD Rapid City, KILI xlr

1040 KRCS 93.1 SD Sturgis, ID

1041 KRWG 93.5 NE Columbus, r, ID

1047 KIMR 89.7 IA Council Bluffs, ID

1053 KVNQ 90.7 NE Omaha, ID

1054 KNEB 94.7 NE Norfolk, wx, ID

1055 KOLY 99.5 SD Mohrville

1100 KQND 90.5 ND Bismarck

1101 KQSD 91.9 SD Lowery, ID

1108 KKYA 93.1 SD Yankton, k, "K93"

1111 WYAX 104.1 SD Yankton, "Oldies 104", ID

1113 KVHT 106.3 SD Vermillion, ads

1117 KKOK 95.7 MN Morris

1119 KSUX 105.7 NE Winnebago

1122 KRTG 100.1 MN Pequot Lakes, wx

1123 WYJO 98.1 MN St. Cloud, "98 Country"

1131 WDAY 93.7 ND Fargo, YL-94

1136 KKRK 96.7 MN Sartell, ad, "Star 96FM"

1138 KDOG 96.7 MN N. Mankato, lcl. ad

1141 KVCN 97.1 MN Crookston, "97 Kick"

1146 KQMT 91.5 MN Thief River Falls

1151 KRWG 92.5 MN Warrad, "KQ-92"

1154 KKSST 89.1 CN Fort Frances, //93.5

1205 WLDY 93.1 WI Ladysmith, ads, ID

1207 CBQH 100.9 ON Dryden, "CBQ Radio"

1209 KBWH 99.5 MN Int. Falls, nx

1214 KQDS 94.9 MN Duluth, "KQ95"

1216 CBQX 98.7 ON Kenora

1219 WVEV 97.9 MN Eveleth, wx, ID

1220 KDAL 95.7 MN Duluth, "96 LITE FM"

1222 WQMO 95.3 WI Shell Lake, lcl. nx

1224 WRLS 92.1 WI Hayward, ads, ID

1232 WBSA 89.9 WI Brule, #800-442-7106

(Their no. works in Stillwater, OK, DB)

1241 CBQ 88.3 ON Thunder Bay, talk

5/14 Es

0943 KROY 88.1 TX Laredo, SS-EE, lcl. ref.

0958 XHFT 100.3 CL Monclova

1008 XHNT 99.3 TA Nuevo Laredo

1009 XHPE 97.1 CL Torreon, city ref.

1012 XHMS 99.5 CL Monclova, ad, "Super FM"

1031 XHTOR 96.3 CL Torreon, \$, "R. Torreon"

1039 XHSGT 99.9 CL Piedras Negras

1043 XHBC 91.9 CL Sabinas, ID

1051 KRYX 106.7 TX Terrell Hills, k

1104 KQCS 102.3 TX Uvalde, k, "Kix-102, ads

1113 KDLK 94.3 TX Del Rio, r, "Hot K94"

1117 KIDR 96.3 TX Del Rio, r, "Hot K94"

5/14 Es

1130 XHRG 95.5 CL Ciudad Acuna, ID

1201 XHCHRP 104.5 CH Chihuahua, "\$Requero"

1208 XHSUT 106.1 CH Chihuahua

f/out 1215

5/15 Es

0957 XHNE 91.3 TA Nuevo Laredo, "Radio

Tamaulipas"

5/17 Es (brief)

0045 UNID 90.1 rp, \$ west (WOCG off)

tr

0059 WKNP 90.1 TN Jackson, c, ID

ms

1334 KTWG 92.7 IA Ottumwa, call

trs

1400 WKZZ 92.7 GA Dublin, r, "93KK3"

5/24 Es

1939-1947 UNIDs to 96.1, Canada

1948 CJMV 102.7 PQ Val'd'or, ID

1950 CHMT 103.5 PQ Val'd'or

1956 CJDM 92.1 PQ Drummondville, FF,

r mx, more Canadian UNID's until 2006

f/out

5/25 Es

1325+ UNIDs to 99.9, Canada

1903 KYYZ 96.1 ND Williston, "Laser 96"

1917 RMHA 91.3 ND New Town

1925 WOKO 98.9 VT Burlington, ID

1926-2004 UNIDs(Canada) 102.3 MUF

2006 CJMV 102.7 PQ Val'd'or, good IDer!

2007 CHMT 103.5 PQ Val'd'or

6/2 Es (brief)

1241 UNID 88.5 SS, TX or Mex.

6/3 Es

1959 WSMU 91.1 MA N. Dartmouth, ID

2001 WEMT 88.3 MA Boxford, s/off

2004 CHY 92.1 NS Yarmouth, CBC nx, wx

2009 WBRU 95.5 RI Providence, p, ID

2014 WZBC 90.3 MA Newton, p

2014 WMBR 88.1 MA Cambridge

2024 WICN 90.5 MA Worcester, ID

2025 WLYT 92.5 MA Haverhill, "Boston's

Lite 92.5"

2034 WFCR 88.5 MA Amherst

6/4 Es

1518 KUNCT 91.5 CO Greeley

1526 KMKK 93.9 SD Rapid City, r,

"Magic 93.9"

1527 KTOQT 104.1 SD Rapid City, k, \$

1535 KINI 96.1 NE Crookston, k, ID

1541 KWAG 93.5 NE Columbus, ID

1542 KPSP 97.1 SD Faith, c

1535 KRCS 93.1 SD Sturgis, cont...

## SOUTHERN FM DX

Pugh, cont.

JULY 1992

6/5 Es

1200 CPD 91.3 NB Saint John, CBC nx

1203 WERV 89.9 ME Blue Hill, lcl. ref.

1209 CKWJ 93.1 NB Fredrickton, k, "K9J"

6/5 Es

1213 WHCF 88.5 ME Bangor, xmr prob.

1216 WCFR 93.5 VT Springfield, ID

1219 WMMR 96.3 ME Rumford, g

1220 WCOM 94.9 NH Mt. Washington, ads

The past 3 years have been fairly decent for May Es. And each of those years have been somewhat slow for June Es. The same can be said about the '92 season, so far. MUFs in June seem to stay well below ch 2, and for what time it has hit FM, it's been spotty at best. Still, there is time for improvement. 73.

Fred Laun, K320, 5801 Huntland Road, Temple Hills, MD 20748

Equip.: Denon TU-800 tuner, Winegard antenna #35' Time EDST

5/20

0630 WDRP 98.9 NC Windsor

0646 WKLX 93.3 NC Greenville, o/WFLS VA

0659 WZNS 92.9 SC Dillon, "Z-93"

0700 WMOX 93.1 NC Winston-Salem, o/WPOC

0717 WQDR 94.7 NC Raleigh, o/loc. WLTZ

0721 WMLL 95.7 NC Fayetteville, adjacent

to WPGC 95.5 4 miles away!

0722 WYLT 96.1 NC Raleigh, "Lite 96.1"

0735 WSAV 98.5 NC Rocky Mount

0738 WKSI 98.7 NC Greensboro, "Kiss FM"

over local WMBZ

0753 WZFX 99.1 NC Fayetteville, "The Fox"

over Annapolis WHFS

0757 WWSB 99.9 NC Wilmington, o/WFRE

0758 WWSY 100.5 SC Marion, "Kix Country"

0759 WTRG 100.7 NC Rocky Mount, o/WGRX

0803 WPCM 101.1 NC Burlington, o/local WDDC

0808 WKZQ 101.7 SC Myrtle Beach

0811 WCYK 102.3 VA Charlottesville, over

local WMMJ, "Country 102"

0813 WLKY 102.5 SC Charleston, "Oldies 102.5"

0831 WNNW 103.9 NC Fuquay, "The Wind"

0905 WRDU 106.1 NC Wilson, "KT Country"

1022 WMEF 96.5 NC Fayetteville, "Mix 96,

Carolina's Best Music"

1030 WYFL 92.5 NC Henderson

5/24

2100 WHWC 88.3 WI Menomonie

2104 KLRK 93.7 MN Minneapolis, "The New

93-X, Minnesota's Weekend Rock Station"

2106 WLKX 95.9 MN Forest Lake

(Time out while I worked two MN stations

on ham radio at 2117-2118)

John F. Combs N4SFS, P. O. Box 721027, Orlando, FL 32872

5/4 tr

2242 WLOW 106.9 SC Bluffton, ID 270

2318 WYFS 89.5 GA Savannah, ID 245

2323 WHTR 99.7 SC Port Royal, ID 275

(heard often since on trs)

5/5 tr

0357 WEZL 103.5 SC Charleston, ID 320

2155 WGOO 98.3 GA Midway, ID, ads 235

5/6 ms

0811 KLTW 99.7 MO Kansas City, ad, lcl. ad 1050

5/7 ms

1337 WFOV 97.1 GA Gainesville, local phone

in 405

5/8 Es

1012 KREJ 95.9 KS Medicine Lodge, 1155

local add. caught while trying to tape ms!

1156 WNTV 93.1 NY Syracuse, ads 1035

1202 WKXZ 93.9 NY Norwich, lcl nx 1020

1210 WSEN 92.1 NY Baldwinsville, 1040

local remote

1211 KQWC 95.7 IA Webster City, ad 1215

1216 UNID 95.5 (FF talk)

1218 WQVR 96.9 NY Utica, ad, ID 1065

1228 KFMH 99.7 IA Muscatine, ad 1045

5/24

2128 KQIC 102.5 MN Willmar, "Q-102"

2131 WDDC 100.1 WI Portage

2133 KDLO 96.9 SD Watertown

2137 KIKV 100.7 MN Alexandria

2144 KREY 102.1 MN Minneapolis, "K-102"

2152 KSCR 93.5 MN Benson

2153 KSDR 92.9 SD Watertown, "KS-93"

2202 KLCX 96.1 SD Watertown

5/25

1004 KULF 94.1 TX Brenham

1039 KKNZ 93.7 LA New Iberia, "Z-93.7"

1040 KLTW 94.1 TX Fort Worth

1054 KSMF 94.5 LA Lafayette

1100 KJEF 92.9 LA Jennings

1112 KTXB 89.7 TX Beaumont, "Family Radio"

1233 KBHT 93.5 TX Crockett

1238 KWKH 94.5 LA Shreveport

1241 KATV 100.5 OK Oklahoma City

1255 KOLZ 94.9 AR Pine Bluff, "Oldies 94.9"

1258 KBFC 93.5 AR Forrester City

1315 KDXY 104.9 AR Paragould, "K-105"

1318 KFSM 104.7 AR Fort Smith, "EZ-105"

1326 KBBQ 100.7 AR Fort Smith

1329 KCLS 99.7 OK Alva

1332 KSAR 95.9 AR Salem

1335 KISR 93.7 AR Fort Smith, "Kisser 93.7"

1339 KQMA 92.1 OK Broken Arrow

1340 KBEZ 92.9 OK Tulsa

1350 KQVE 99.3 OK Grove

1352 KVOO 98.5 OK Tulsa

1354 KRAV 96.5 OK Tulsa, "Tulsa 96.5 FM"

1440 KDRQ 100.7 TX Abilene, "Q-101"

5/8 Es

## SOUTHERN FM DX

5/25 Es(mobile just south of Lambertson,NC)  
 0955 KQMA 92.1 OK Broken Arrow, tent.  
 assumed--classical, any other c on 92.1?  
 0957 KXNG 92.5 OK Oklahoma City, area ads  
 0959 KOSU 91.7 OK Stillwater, OK ID  
 1003 KDMY 93.5 OK Watonga, area sports  
 6/1 tr (back in Orlando)  
 2158 WLVX 95.5 GA Savannah, lcl ads 245  
 C159 WAEV 97.3 GA Savannah, lcl ads  
 2200 WSVH 91.1 GA Savannah, ID  
 2202 WZAT 102.1 GA Savannah, ID  
 6/4 ms  
 1959 WFEZ 97.1 LA New Orleans, ID 535  
 (previously by tr)  
 6/5 tr  
 0956 WFOV 97.1 GA Gainesville, area ads  
 (previously by ms, caught on ms tape)

## Combs, cont.

6/8 ms  
 0856 WENS 97.1 OH Columbus, lcl traf. 880  
 0906 KMYT 97.1 OK Muskogee, tent...K97  
 0911 WFOV 97.1 GA Gainesville, lcl ad405  
 Es  
 1240 WVEE 88.1 IN Elkhart, pledge dr945  
 1252 WQZZ 93.5 WI New London 1160  
 1255 CIRV? 88.7 ON Toronto, tent.  
 1257 CHAY 93.1 ON Barrie, ID 1100  
 1300 CIUT 89.5 ON Toronto, ID 1050  
 1302 WSRD 90.1 PA Slippery Rock, 870  
 local ex, 110 watts!!  
 1309 WPRE 94.3 WI Prairie du Chien1065  
 1652 KEMR 88.3 TX Brownsville, SS, g,  
 1652 KOIR? 88.5 TX Victoria, tent., SS g  
 1802 XBMV? 90.1 TA Tampico, tent., latino  
 6/9 ms  
 1732 WENS 97.1 IN Shelbyville, ad 835

## PHASING AT WORK:

Chester P. Royster, WB40HC, R.F.D. Box 223, Freeman, VA 23856

Equip.: Pioneer T-8100 tuner (IF modified with 3 150 kHz filters), stacked FM-13s at 25' and 18' for main antenna, phasing antenna system consists of: FM-13, Magnum Dynalab Signal Sleuth 205 preamp and Bolin 360° phaser into -8db directional coupler.  
 \*Denotes stations received as a result of phasing.

5/10 gw EDT  
 1052 WDRP\* 98.9 NC Windsor 69  
 1111 WCCB\* 90.1 NC Bales Creek 113  
 1117 WSHA\* 88.9 NC Raleigh 87  
 1125 WKKF\* 96.5 NC Laurinburg 169  
 1128 WQSN\* 98.1 NC Fayetteville 137  
 1155 WNVV\* 97.5 VA Charlottesville 96  
 1159 WBSN\* 91.3 MD Princess Anne 148  
 5/12 gw  
 1158 WDCU\* 90.1 DE Washington 151  
 1433 WINC\* 92.5 VA Winchester 168  
 1545 WQWZ\* 95.1 VA Charlottesville 96  
 1624 WESQ 90.9 NC Rocky Mount 59  
 5/14 gw  
 0751 WKMT\*101.7 VA Kilmarnock 97  
 0814 WSTW\* 93.7 DE Wilmington 235  
 0847 WMEK\*102.9 PA Philadelphia 260  
 0915 WPRE\* 99.9 MD Frederick 183  
 1238 WQPO\*100.7 VA Harrisonburg 133  
 1300 WKCY\*104.3 VA Harrisonburg 133  
 1332 WEGK\*106.1 PA Philadelphia 260  
 1524 WLGT\* 90.9 SC Hemmingway 232  
 5/16 gw  
 0811 WPAR\* 88.1 NC Claremont 212  
 0815 WVA\* 90.1 NC Greensboro 126  
 0844 WBOB\* 93.3 NC Forest City 253  
 0935 WBRP\* 97.7 SC Georgetown 251  
 0953 WZG\* 95.1 NC Charlotte 205  
 1033 WLAN\* 96.9 PA Lancaster 237  
 1325 WBSB\* 97.3 NJ Milville 232  
 1400 WZNS\* 92.9 SC Dillon 188  
 5/18 gw  
 1924 WFGP\* 96.9 NJ Atlantic 252  
 1951 WBSB 104.3 MD Baltimore 183  
 5/19 gw  
 1924 WFGP\* 96.9 NJ Atlantic City 183  
 1951 WBSB 104.3 MD Baltimore 183  
 5/19 gw  
 0858 WDSO\* 94.7 DE Dover 203  
 1610 WACL\* 89.5 MD Salisbury 159  
 2359 WZLX\*100.7 NJ Wildwood 219  
 5/20 gw/tr  
 0625 WFOV 99.5 DE Wilmington 235  
 0742 WQMR 107.1 MD Federalburg 169  
 0750 WMOB\* 96.5 PA Philadelphia 260  
 5/23 gw  
 2055 WPEG\* 97.9 NC Concord 187

5/23 gw  
 2120 WRDX\*106.5 NC Salisbury 173  
 5/27 gw  
 1505 WUVA\* 92.1 VA Charlottesville 96  
 1600 WELS\*102.9 NC Kinston 105  
 5/29 gw  
 1532 WRJA\* 88.1 SC Sumter 250  
 2117 WITY\* 97.9 MD Baltimore 183  
 2140 WCVT\* 89.7 MD Towson 196  
 5/30 gw  
 0824 WWSQ 102.5 VA Winchester 168  
 1037 WKEE\*100.5 WV Huntington 283  
 1055 WBRP\* 98.1 VA Galax 179  
 1155 WMEK\* 94.5 NC Eden 118  
 1205 WKRX 96.7 NC Roxboro 76  
 1211 WBBQ\* 96.9 TN Bristol 249  
 1212 WTRR\* 96.9 NC Statesville 190  
 1254 WMEV\* 93.9 VA Marion 211  
 1329 WALJ\* 90.3 MD Grantsville 217  
 2010 WHLZ\* 92.5 SC Manning 256  
 5/31 gw  
 0820 WVAR\*105.5 VA Tappahannock 92  
 1000 WCIQ\*107.1 SC Mullins 199  
 1013 WKYU\*101.7 VA Lynchburg 91  
 1024 WAMO\*105.9 PA Pittsburgh 281  
 1030 WTNJ\*105.9 WV Mount Hope 205  
 1105 WGOE\* 98.3 VA Lynchburg 91  
 1130 WGHV\*105.5 VA Alta Vista  
 1208 WCYK\*102.3 VA Crozet 104

The typical 75 ohm splitter/combiner will cause a 3 db loss on your main antenna during phasing. Using a -8db directional coupler will eliminate this loss. A preamp such as the signal sleuth can compensate for the 8db loss on the phasing antenna line.

From a cursory overview, it appears that a directional coupler results in a deeper suppression of the unwanted signal. The Bolin phaser permitted me to pick up over 50 additional stations, although the antenna are not above 25'. Hope to pick up an additional 100 when the antennas are raised. 73's, Good DXing and phasing.  
 (Thanks, Chester for reporting on your very impressive achievements with phasing. DB)

## SOUTHERN FM DX

Gus Mancuso, 5615 Inwood St., Hyattsville, MD 20785  
 6/3 tr (From house on valley floor, el 1300')  
 1640 WRRL 95.3 WV Rainelle, ex 96.7  
 (From Powells Mtn., el 2213')  
 1800 WZWA 90.1 WV Clarksburg, new station  
 1853 WLEC 105.7 KY Greenup, ex 105.5  
 1918 WELK 94.7 WV Elkins, ex 95.3, same handle K-95  
 6/4 tr (from house)  
 1354 WKKC 99.9 Pa Erie (rabbit ear null on semi-local WVAW while slightly fading)  
 1444 WOTR 96.3 WV Lost Creek (new station, came in strongest with rabbit ears spread apart and rotated about 30° from vert., clock wise facing station. Unusual format--½ new k, ½ '60's oldies, ½ big band.  
 2101 WOOK 97.5 VA South Boston, null on WQBE  
 6/5 tr (from house)  
 1024 WVTY 96.1 PA Pitts, null on WWSN  
 (It would appear that we came about a week too early to get good results. Combination of cool and rain proved fatal. See 8/90 & 7/91 WUDE for comparison. WZKM 93.3 & WTUN 98.7 not on yet. WDNE still on 99.3.)

FROM GRANTSVILLE, MD: to top of next column.....  
 Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075  
 5/2 gw  
 2021 KLSS 104.5 KS Augusta, wx, \$, r 105  
 5/24 Es  
 1059 KUNR 88.7 NV Reno, ID, NPR 1280  
 6/24 Es  
 0930 WRMB 89.3 FL Boynton Beach 1280  
 0933 WMTX 95.7 FL Clearwater  
 0941 WHEV 102.5 FL Sarasota, ad  
 0952 WAVV 101.1 FL Marco, "Wave 101", ad

5/14 Es  
 0957 WQGF 92.7 FL Marco, ad  
 1002 WSHE 103.5 FL Ft. Lauderdale, ID  
 1019 WCVU? 94.5 FL Naples, "the Shore"  
 1022 WZCR 99.3 FL Ft. Myers Beach, ad, cl r  
 1046 WPIK 102.5 FL Key West, k, ad 1225  
 1059 WNCU 89.7 FL Miami, ID 1255  
 1355 WSKX 92.3 GA Hinesville, ad  
 1359 WLPT 88.3 GA Jesup  
 1416 WRRY 93.5 FL Key West, ad, "Key 93.5"

Christopher S. Dunne, 21541 NW Ct. Box 81, Pembroke Pines, FL 33029-1085

Equip.: JVC RX302BK modified with 150 kHz filters, Archer 6-el. FM antenna at 20 ft.

5/2 Tr  
 2257 WSYN 106.5 SC Georgetown, full ID 480  
 2300 WLOW 106.9 SC Bluffton, full ID 400  
 2308 WZAT 102.1 GA Savannah, concert promo  
 5/3 Tr  
 0000 WNCM 88.1 FL Jacksonville, ID 300  
 0107 WQMK 105.1 FL Orlando, ID,  
 O/WQET 180  
 .....MS activity on FM at this.....  
 .....time, but nothing over .4 seconds.....  
 5/4 "Local-Killer" Tr  
 0235 WTKA 92.3 FL Orlando, "K92", all O/WQMK 180  
 0240 WXLX 106.7 FL Leesburg, "XL", O/WJQY 180  
 0240 WGGC 100.9 FL Gainesville, u/WHYI 250

5/8 First Es of '92  
 .....Thanks to John Stempick to alert me...  
 1210 CFMK 103.1 ON Cobourg, calls 1190  
 1222 WBUF 92.9 NY Buffalo, "Wlx" 1100  
 1229 CBO 91.5 ON Ottawa, "here in Ottawa" 1300  
 1233 WBBE 92.5 NY Rochester, calls 1140  
 also CIIA 107.1 ON Toronto, "Q=107"  
 5/16 Es  
 0840 KRVL 94.3 TX Kerrville, sounded like Kerrville mentioned  
 0855 KLYT 93.7 TX Houston, "K-Lite" + Sugarland (city) ment. 900  
 0901 KPCAC 88.3 TX San Antonio, ID 1090  
 0921 KDLK 94.3 TX Del Rio, "Del Rio's....Hot K-94 FM" 1225  
 0928 KRTU 91.7 TX San Antonio  
 6/8 Tr  
 1601 WCOO 92.1 FL Immokalee, NEW freq., SS format; may be /WKEY 92.5 but couldn't quite figure out. 65

Good Es so far, but not many skips past ch 3 MUF. Got a nice letter of reception from KDLK, and it seemed they were actually worried that someone 1225 mi. away would get them. Hey, I'm not a spy or anything; I'm just having fun! 73

# NORTHERN FM-DX

GREG CONIGLIO  
5100 GLENWOOD DRIVE  
WILLIAMSVILLE, NY 14221

For DXers in: MA, NH, VT, CT, MARINE, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada

**JULY 1992 DEADLINE: The 5th LOG CUTOFF: 2 months from when mailed**

The skip season has started out pretty well for many reporters to this month's column. FM openings were noted to begin as early as May 5. The 7th, 8th, and 12th were also reported to have skip. The big opening so far has been Memorial Day: May 25 (The day before was also pretty good). Skip was on the FM for hours that day. If you heard that opening, or any other DX, we would like to hear from you! There was also a major Atlantic coastal opening in mid-May that affected areas as far inland as Western New York. I have taken the unIDs reported to this month's column and forwarded them to the CCI column because that is where they should be. PLEASE send unIDs there and not here. They don't belong here any more than a TV logging would. They are better off there anyway; people read that column to try and solve peoples' mysteries, not this one.

**MIKE BUGAJ - 69 SHERMAN RD - ENFIELD, CONNECTICUT 06082**

Equipment: Sherwood AM-FM analog receiver with modified filters (110/150) and Probe 9 or Penco 10 element about 30 feet aq. New are underlined.

**MAY 1992 DX**

**5 Es**

Briefly into FM from 1800-1820 with Iowa news on 92.1 but no ID. TV heavy into NE on 5 & 6.

**11 Au**

1400 Heavy Aurora on most clear freqs. Audio heard on 99.7 (g) and had to aim N.E. to hear anything. No IDs.

**14 Tr**

1900 CIME 99.5 PQ St. Adele, In FF. Rare

**15 Es**

1830 found k on 92.1. Florida I think.

**17 Tr**

0928 WVLT 92.1 NJ Bridgeton

0936 WTHH 96.1 NJ Margate City, s. 'The Touch', good signal.

1910 WFAA 93.3 CT Danbury, Portuguese and later with Family Radio. Heard twice this month...only 18 watts!

2150 WMID 99.3 NJ Pleasantville, classic rock, nice not to hear WHMP.

**20 Tr**

0708 WZNS 92.9 SC Dillon. 'Who rocks the Carolinas like Z-93? That's a stupid question NOBODY!' Philly and Norfolk fair to good. Other strange stuff but only 10 minutes to DX STATE NUMBER 19 ON TROPO

**23 Es (Thanks to tip from Bill Nollman)**

1729 WOOF 99.7 AL Dothan, ID

1730 WMTM 93.9 GA Moultrie

1746 WAAC 92.9 GA Valdosta, k

1751 WDDY 92.1 GA Adel (this one on car)

1753 WTVY 95.5 AL Dothan

1758 WTRU 99.5 FL Jupiter, True-FM

1800 WKSM 99.5 FL Ft. Walton Beach

1812 WJST 94.5 FL Port St. Joe, k

1822 WQEZ 106.3 GA Ft. Valley, 106-WQEZ

**24 Es**

2055 KTGL 92.9 NE Bearface, The Eagle

2055 WOW 94.1 NE Omaha, k

2100 KMZU 93.5 MO Tarkio

2101 KRXL 94.5 MO Kirksville

2107 KMGO 98.7 IA Centerville

2108 KMFM 96.7 MO Memphis, oldies?

2123 KLT 99.7 MO Kansas City, Lite 99.7

2125 KPRS 103.3 MO Kansas City, Hot 103

2142 KSJS 92.7 MO Savannah, Q-Country

**24 GW**

2230 WXXO? 98.7 CT Hartford, oldies 98.7 on a tip by Ed Hanlon, clobbered by WRKS but fair with the antenna aimed SE.

**25 Es**

1214 KJEE 92.9 LA Jennings, k

1221 KWKH 94.5 LA Shreveport

1223 KAFX 95.5 TX Daboll

1225 WSYE 93.3 MS Houston Sunny 93

(Mike, note the call change-gc)

1229 KTXB 89.7 TX Beaumont

1233 KQVZ 96.9 LA Alexandria

1237 KHLA 99.5 LA Lake Charles

1241 KVDZ 89.1 LA Dry Prong

1247 KYKZ 96.1 LA Lake Charles, Kix 96

1254 KRIV 100.1 LA Bastrop (Mike, note the call change and city of license-gc)

1257 KCTO 103.1 LA Columbia

1300 KJCS 103.3 TX Nachadoches

1308 WWUN 101.7 MS Clarksdale

1319 KTX 98.9 TX Carthage, hot hits Tux 99

1327 KKT 96.1 TX Kigore, classic rock

1333 KAMD 97.1 AR Camden

1351 KHLT 94.1 AR Little Rock, K-Lite 94 FM

1356 KSCS 96.3 TX Ft. Worth, k

1359 KJUV 98.7 TX Dallas, oldies

1359 KMEY 97.1 OK Muskogee

1404 KOYN 93.9 TX Paris

1421 KDCG 94.5 TX Gainesville, The Edge

....and then a little later...

2024 WMC 99.7 TN Memphis, FM 100

2035 KRXL 94.5 MO Kirksville, Classic Hits

94.5, 'The X'

2038 KOLL 94.9 AR Pine Bluff, Kool 95

2043 KQUS 97.5 AR Hot Springs, US-97 FM

2044 WIBW 97.3 KS Topeka, 97 Country

2045 KLSI 93.3 MO Kansas City, Mix 93

2048 KABF 88.3 AR Little Rock

2050 KHCD 89.5 KS Salina

2058 KJTY 88.3 KS Topeka, g

2137 KFDC 92.1 IA Fort Dodge

MIKE'S COMMENTS ARE ON THE NEXT PAGE

**98.7 KGR**  
GOURMET ROCK

NORTHERN FM DX

JULY 1992

MIKE BUGAJ'S COMMENTS.

Well, winter, as usual, was excruciatingly slow for DX. My Carver TX-11 bit the dust in January and spent 4 months sitting on the shelf of repair shop "A" before I took it back from the guy and sent it to authorized service center "B" where it now sits on another shelf waiting to be fixed. Some times ya can't win. (I know what you mean Mike, my modified Pioneer TX9100 bit the dust a year ago, but no repair shop will touch it because it has been 'monkeyed' with-gc). Also, the company I work for decided to phase out company cars and I had a chance to buy the one I was using, so I did and promptly took out the radio (VW Golf) and put in two 110 kHz filters. Major improvement now. No problems now with the NYC area stations when trop is up. WLTW, Z100, WNCN, WCBS no trouble. During the May 23 Es had WAAC 92.9 in spite of local WHYN-93.1. This was my first car radio mod and proved easy. The hardest part was getting the set out of the car. Hope we have a great skip season this year!

DAN OETTING - 22 CARRIAGE LANE - EXTON, PENNSYLVANIA 19341

Equipment: HK Citation 23, Yamaha T-70, Archer 20db booster and rabbit ears.

**MAY 1992 DX**

**8 Es: 1st of the season. MUF 107.3+**

1100 WRMB 89.3 FL Boynton Beach, g, ID

1106 WCHQ 92.3 FL Hialeah, SS

1115 WZZR 92.7 FL Stuart, p

1121 WOLZ 95.3 FL Fort Myers, oldies

1130 WOVY 95.5 FL Fort Pierce, r

1149 WMEQ 92.9 FL Ocala, bn, ad

1157 WKTK 98.5 FL Crystal River, rm

1200 WSEB 91.3 FL Englewood, ID

1205 WWKA 92.3 FL Orlando, k, ad

1207 WYGO 95.5 FL Silver Spring, o, "Go 95"

1210 WQLM 92.9 FL Punta Gorda, mn, ad

1220 WWRM 107.3 FL St. Petersburg, rm, ID

1231 WBBQ 104.7 FL Tampa, r, "Tampa Bay's hit radio station", weather.

1241 Es off FM

**15 GW**

1400 W300AD 107.9 PA Philadelphia, c, xltr for WWFM 89.1 Trenton, NJ

**17 Tr**

0025 WNTX 96.3 MA Nantucket, pr, "WHVY 92.7" rebroadcasting Tisbury? (I guess they swapped frequencies in an LMA-gc)

0850 WHCN 105.9 CT Hartford, In wall

0900 WTYD 100.9 CT New London, ad

**20 Tr phone tip by Steve West at 6:40AM**

0645 WZNS 92.9 SC Dillon, rp

0700 WRVS (89.9) NC Elizabeth City, ex 90.7

0700 WJAZ 91.7 PA Summerdale, j, ID

0727 WDIH 90.3 MD Salisbury, g, ID

0742 WMYJ 106.5 MD Pocomoke City, r, ads

"My 106.5" slogan

0800 WRJA 88.1 SC Sumter, wx, on&off the air

0805 WRVL 88.3 VA Lynchburg, g, ID

**25 Es (from Avalon, NJ) MUF 98.5+**

1258 WFLV 89.9 TN Memphis, ad for radio show

1305 KARB 88.3 AR Little Rock, promn

1306 KETR 88.9 TX Commerce, o, ID

1310 KUAR 89.1 AR Little Rock, Arkansas news

1330 KLR 90.5 AR Little Rock, ID as KUAR 90.5

Little Rock. Why? (Maybe they and KUAR switched

frequencies for some reason??-gc)

1350 KBEZ 92.9 OK Tulsa, ID

1352 KWEN 95.5 OK Tulsa, k, ad

1400 KRAY 96.5 OK Tulsa, ID, rm

1400 KOSU 91.7 OK Stillwater, ID

1408 KSYN 92.5 MO Joplin, r, ads

1457 Es off FM

**25 Es (back in Exton, PA) MUF 93.1**

2050 KKYA 93.1 SD Yankton, k, ID

2059 KOOZ 90.5 MO Point L'Anse-au-Loup, wx for

Ozarks", Radio College of the Ozarks" ex 91.7

Pretty nice start to E-skip season. The tropo duct to S.C. was a nice surprise too. Are the 88.1's in W. N.J. simulcast? I have a station that only calls itself New Jersey Network at 88.1. Berlin or Trenton? (Dan, I think it is Trenton but not positive. Send it to CCI-unID. Perhaps someone in NJ will know for sure-gc)

**CHARLES GAUTHIER - 3260 BEAULIEU - BROSSARD, QUEBEC CANADA J4V 2P7**

Equipment: JVC RX-150BK receiver, modified with 2 150 kHz filters. Lindsay bi-directional dipole at 20 feet above ground.

**MAY 1992 DX**

**5 Es**

1810 KRAY 96.5 OK Tulsa, call

**7 GW & Tr**

2156 WYNY 96.5 NY Malone, "Your country station 96.5 the new WYNY"

2200CIR 99.7 PQ Ste-Georges "La

musique country" à son mellure 150

**25 Es**

2015 WKTZ 90.9 FL Jacksonville, ID 1166

2018 WJWF 100.1 MS Artesia, ID 1172

2034 WATA 93.3 GA St. Marys, 93A1A

11232054 KZLE 93.1

AR Batesville, ID and

Mix 93.1

2056 KJEZ 95.5 MO Poplar Bluff, local

ads and Z95

2100 WMAO 90.9 MS Greenwood 1241

Good DXing!

(Ed: Charles mentions that he has been editing a new scanner column since January for the Canadian Intl. DX Club's "The Messenger". He enclosed a copy which included NWS info, which I will forward to NWS NEWS. To receive a free sample of the bulletin, write CIX, 79 KIPPS STREET, GRIFFIN, D PARK, QUEBEC CANADA J4V 3B1. Thanks for the sample column and information, Charles-gc)



Bill Nienajadly PO Box 2999 Clifton NJ 07015-2999 N2QJJ 201-478-3044

Pioneer TX 9800 (mod), Fisher FM-660 (mod w/Tim McVey's IF Circuit Board) GE Superadio (mod w/ a 110 filter) at work. Delco Digital Car Radio (mod w/two 110 khz filters) Bolin phase box-Two Radio Shack 6 element FM only antennas on two separate rotors.

May 8 1992 ES MUF 107.7-At work in Clifton  
 1150 WMEZ 93.7 FL Ocala-1cl ments 926  
 1153 WMRM 107.3 FL St. Pete-Warm 107-1cl ments 1027  
 1203 WMEF 107.7 FL Mount Dora-1cl ments-wx etc 937  
 1204 WRSB 104.7 FL Tampa "Q-105"-1cl ments 1012  
 1207 WUSF 89.7 FL Tampa "Concert 90" wx 69 in Tampa  
 1209 WEJZ 96.1 FL Jacksonville "Lite 96.1" 1cl 843  
 1216 WMPQ 92.9 FL Ocala-1cl ments 926  
 1225 WAPF 96.1 FL Jacksonville 843  
 1230 Approx fadeouts.....  
 May 16 1992 Tr -In Car in Lodi & Garfield  
 2330 WMRV 105.7-WMSG 92.9 + Long Island strong  
 May 17 1992 Tr  
 0800 -Long Island & CT Local strength on Car radio  
 0830 WXPX 102.9 MA Hyannis PH/O WDRG 184  
 0833 WRCN 103.9 NY Riverhead PH/O WFAS @ 22 mi! 77  
 0835 WCOO 106.1 MA Hyannis PH/O WBLI S-B! 184  
 0836 WHCN 105.9 CT Hartford PH/O 1cl WMMO 12 mi 97  
 0842 WZLX 100.7 MA Boston PH/O WHUD S-B! 110 30 mi 188  
 0854 WKPE 104.7 MA Orleans PH/O WSPK 223  
 0908 WQRC 99.9 MA Barnstable PH/O WEZN S-B! 207  
 0935 WJNJ 94.3 NJ Avalon PH/O WJLK S-B! 127  
 LONG WANTED!!  
 Boston was also in this morning also

May 20 1992 SUPER TROPO!

0600 WMMK 106.5 VA Richmond wx-1cl ments 294  
 0623 WFXS 99.7 NC Kannapolis ID 1cl ments 512  
 0624 WZLX 92.9 SC Dillon ID-1cl ments 531  
 New personal trop record!  
 0646 WINC 92.5 VA Winchester ID + 1cl ments 244  
 0650 WROU 106.1 NC Raleigh PH/O WESX @ 82 mi S-B 429  
 0700 WQML 95.7 NC Lumberton PH/O WFLN @ 82 mi S-B 508  
 0720-WTVR 98.1 VA Richmond PH/O WQGL @ 82 mi S-B 294  
 WAMD 104.7 MD Hagerstown 207  
 WVAL 100.9 MD Harlock 1cl strength 181  
 0726 WROC 93.7 NC Elizabeth City PH/O WSTW S-B 396  
 0727 WYFI 99.7 VA Norfolk 313  
 May 23 1992 ES-MUF 100.9  
 1825 WPAF 92.5 FL Panama City ID 986  
 1830 WVFJ 93.3 GA Manchester ID 802  
 1836 WDOF 99.7 AL Dothan ID 918  
 1838 WPGA 100.9 GA Perry-ment Macon & Mable 101 789  
 1841 WTSK 97.7 ?? Not in FM Atlas a LMA? ---  
 1843 WQXX 92.1 TN Hendersonville "Power Jams 920" many ments of Nashville. Confirmed by TV News Editor Doug Smith-Thank! 745

May 24 1992 Trs

1243 WEND 101.7 NY Hudson Falls strong 169  
 1245-WRAV 94.5 NY Ravena 112  
 1302 WMLT 100.9 NY Albany "K-Lite" 1cl ments 124  
 May 25 1992 ES  
 0906 KRIS 92.1 TX Seabrook ID 1415  
 0919 KJHF 88.7 TX Houston O/cl pests 1422  
 0947 KJEF 92.9 LA Jennings 1cl ments ES Pest 1275  
 1151 KNTU 88.1 TX Denton ES Pest 1373  
 1200 KQKI 95.3 LA Bayou Vista ID 1236  
 1214 WMDL 97.3 LA Kaplan ID 1269  
 1230 WZPS 92.5 TX Dallas 1cl ments 1373  
 1233 KZMH 96.9 LA Alexandria 1cl ments+ wx-cast 1218  
 1236 KLTU 94.1 TX Dallas ID 1373  
 1248 WKZB 95.3 MS Drew "WZ-95, proud to be a part of the Mississippi Delta" Can anyone confirm this??? TENT

MAY 17 1992

2120-0000+ SUPERDUCTING TO CAPE COD STRONGEST EVER!  
 2120 WCBF 101.9 MA Falmouth PH/O 12 mi LCL WOOD!! 188  
 2206 WCBF 107.5 MA Chatham PH/O 12 mi LCL WBS!! 223  
 2251 WQGN 105.5 CT Groton PH/O WJLV & WDMA "Q-105" 105  
 2300 WNTX 96.3 MA Nantucket PH/O 12 mi WQXR!!! 212  
 ID-s with WMY 92.7 Tisbury-was playing new age  
 2314 WYVE 102.3 CT Stonington PH/O WBAW S-B!!! 120  
 2315 WTKT 94.9 MA W. Yarmouth ex WDCB 1cl strength! 213  
 2316 Hiss on 100.3, 101.1, also again WXPX, WCOO, WKPE, WQRC WRCN, WJFD, WCTK-Very Narrow duct-Very little Boston and very little Providence

PH/O-Phased Over S-B-Same Bearing as W--

Mileages from Fred Nordquist's distance readouts

Comments: The Season kicks off with a surprise E-Skip and a Half Decent trop opening! I am in shock that I was able to get through THREE NYC Locals via phasing! With the flick of the knob (s) on the phase box-long wanted and "impossible" DX comes in with almost ease and those who seriously DX FM should have a phase box! May 17 1992 was one of the better trop openings in a while & the Best for Cape Cod. Goodking Bill

May 25 1992 ES

1249 WOLJ 96.9 MS Indianola "K-96" Indianola-1cl 1044  
 1300 Had to leave, but DXed in car on mod Delco  
 1300-WJMS 106.3 ?? Nothing checks out-a LMA? Urban mx  
 KKYR 102.5 TX Texarkana ID 1211  
 WPC 99.7 TN Memphis PH-100 963  
 MUF 107.9 noted Many many UNIDS  
 1344 Back home  
 1346 KETR 88.9 TX Commerce ID 1149  
 1418 KTLX 93.3 OK Ada ID 1301  
 1422 KBZC 92.9 OK Tulsa 1cl ments 1225  
 1427 KQNG 92.5 OK OK City called SPM editor to tell 1325  
 his locals were coming in here on skip  
 2020 KQWN 92.5 AR Winn ID freq change per Joe Fela 966  
 2021 WQNN 95.1 TN Dresden ID as WQNN-Rich noted change in the FM Media 851  
 2026 WQW 94.1 NE Omaha ID 1137  
 2030 KBEL 96.7 OK Idabel ID 1235  
 2035 KEFM 96.1 NE Omaha Lite 96-1cl 1137  
 2036 KZQX 96.9 NE Lincoln ID 1199  
 2037 KQKO 98.5 IA Council Bluffs "Sweet 98" 1cl ments-Ph # 342-9898 in for a while 1132  
 2053 KRLS 92.1 IA Knoxville ID as KNLIA & KRLS 988  
 2059 KLDZ 95.1 NE Lincoln ID 1180  
 2100 KQGO 94.9 IA Des Moines ID very strong 1014  
 2104 KQYN 96.7 AR Ozark ID 1133  
 2113 KTKS 99.9 AR Fort Smith ID 1166

Mileages from Fred Nordquist's DX readouts

PH/O-Phased Over S-B-Same bearing

Super Tropo & Massive amounts of E-skip in May, a seasons worth of E-Skip almost a few days. May 20 was the best trop yet, distance wise and May 25th ranks up there in the top 10 E-Skip openings of all time, almost good enough for a grand tour status! I Missed the May 24 ES to IA & NE-the 25th made up for it. Again phasing helped with the DX. As I write this, May is not over with yet!

DAVE NIEMAN-12284 NICE ROAD-AKRON, NEW YORK 14001-9529

Equipment: Carver TX-11 tuner IF filter modified. Channel Master Stereo Probe 9 at 35 feet on crankup tower, Channel Master 36178 VHF at 23 feet into phase box. Alliance HD-73 rotor and RG-11 coax. New loggings are underlined. New call (K K K K). New propagation mode WWW.

MAY 1992 DX

12 E-skip  
 1300 KYFW 88.3 KS Wichita, ID, g\$ 1055  
 1347 KQMA 92.5 KS Phillipsburg, call \$ "livestock report" 1101

14 tropo

1422 KILI 90.1 SD Porcupine, call, 1cl nx 1191  
 0749 WHCM 99.1 WV Parkersburg, 1cl sports "power country-99" 299

19 tropo

0035 WCOL 92.3 OH Columbus, call + "contin-ous oldies" prev WXGT & WCOL 311

24 E-skip

2126 KGBX 105.9 MO Nixa, call, r\$ 874

2144 KMOD 97.5 OK Tulsa, call, r\$ 1041

25 E-skip

1100 WJSU 88.5 MS Jackson, ID, j\$ 975

1201 WRBH 88.3 LA New Orleans, call, t\$ 1105

1252 WYDH 105.9 AL Atlanta, call + the new "Y-105.9" r\$ 961

MAY 25, 1992 E-skip DX continued

1254 WQUD 105.9 MS Pascagoula, call + "GOOD-106", k\$ 1031

1301 WZRH 106.1 MS Piquette-northshore-New Orleans (LA), ID + "Z-106.1", r\$ 1064

1400 WINS 92.1 MS Yazoo City, ID + "Star-92", k\$ 955

1406 KEDT 102.3 TX Center, ID, BB\$ (Houston Astros) 1155

1416 KJNA 99.3 LA Jena, call, k\$ 1080

1420 KRRV 100.3 LA Alexandria, "K-double RV" k\$ 1112

2020 WNOE 101.1 LA New Orleans, call over CKEY Fort Erie 1105

2041 WYNK 101.5 LA Baton Rouge, call, k\$ 1117

2043 WTCB 100.7 LA Baton Rouge, 100.7 "The Tiger", r\$, prev WQXY 1117

2148 KSRO 90.1 MN Thief River Falls, call, r\$ 925

2202 KMPR 88.9 ND Minot, call, j\$ 1159

Well, May is over and it turned out to be a good month for skip. Thanks Greg for phoning me about WNOE New Orleans being in. It was just one of those stations whose ID would escape you when the band was open to that area I think every DXer has a few of them. You know what they are but you seem to miss the ID. Dave

DAVE NIEMAN-HO STA GEH, ROAD-ROCK CITY, NEW YORK

Equipment: Technics ST-8080 tuner IF filter modified. Antennacraft FM-10 at 10 feet, RG-6 coax and Channel Master rotor.

New loggings are underlined. New call (K K K K). New propagation mode WWW.

MAY 1992 DX

3 tropo & scatter  
 0954 WCTL 106.3 PA Union City, call + "lite-106.3, g\$ WQRM Smethport, PA off the air 72

1015 WSVS 104.7 VA Crewe, call, k\$ 341

1300 WYFI 99.7 VA Norfolk, ID, g\$ 388

1355 WPOC 93.1 MD Baltimore, call, k\$ 212

1402 WBYN 107.5 PA Boyertown, call, g\$ 188

prev WYCL

10 tropo & scatter

1326 CKOT 94.9 ON Oshawa, call, b\$ 132

over WHKS Port Allegany, PA

1400 WSOQ 91.9 NY Oneonta-Cooperstown, ID with WSKG family of stations, NPR \$ 176

17 tropo & scatter

1100 WQKX 94.1 PA Sunbury, ID, r\$ 118

over CBL Toronto, ON

MAY 1992 DX

17 tropo & scatter continued

1230 WTLR 89.9 PA State College, call, g\$ 90

over WFBF Buffalo, NY

1300 WDAC 94.5 PA Lancaster, ID, g\$ 177

over WNEB Buffalo, NY

1319 CBON17 95.1 ON North Bay, FF tM 301

1400 WQCB 96.1 PA Red Lion, ID, G4 176

over WJYE Buffalo, NY

1458 WHCM 99.1 WV Parkersburg, ID + "power country-99", k\$ 248

23 tropo & scatter

1157 WFGM 97.9 WV Fairmont, call + "Great-98" r\$, 196

1300 WYFI 99.7 VA Norfolk, ID, g\$ 388

1346 WBNJ 105.5 NJ Cape May Court House call, m\$ 279

I'm still looking for another FM tuner since the Technics ST-8080 isn't working out too well. It seems to lack the sensitivity needed for good troposcatter. The selectivity isn't the best even with some 110 kHz IF filters installed. Any more 110 kHz filters and the sensitivity drops even more. I think the Carver TX-11 tuner will make the trip down with me the next time. Dave

STATION NEWS: KKLV Anchorage becomes satellite country KBRJ, "K-Bear". KZZO in Clovis, New Mexico is reportedly silent. In St. Louis, KRJY 96.3 switches to oldies, "Jukebox 96". KQKW-FM 107.7 Erath-Lafayette, La. is simulcasting news-talk AM KPEL. Back to Alaska, KAYY Fairbanks becomes adult rock & roll KAKQ, Q-101.1. Another station to switch to that format is WSKZ 106.5 Chattanooga, no longer "KZ106". WOHT Jackson goes to a soft top 40 format and WKQB calls: "B 95.5". Family radio station WEFB 88.1 in Erie, Pa. is on the air. Also new to the air is WSOQ 91.7 Oneonta, NY, as a relay of WSKG 89.3 Binghamton. 94.7 in Reno is now KIZS and "Kiss Country 94.7", country mx





WILLIAM R. HEPBURN - 35 LOCKWOOD RD - BRAMPTON, ON L6Y 4T7

Equipment: modified JVC R-X330U w/attic dipoles

# MARCH 1992

(EST)  
4 IR  
1400 WMCE 88.5 PA Erie 117  
29 IR  
1831 CKLP 103.3 ON Parry Sound 111  
(w/CBC network, 20 db)

# APRIL 1992

2 IR  
2148 WKQI 95.5 MI Detroit 215  
(ex-WCZY)  
(EST)  
7 IR  
0306 WMAX 105.7 NY Irondequoit- 113  
Rochester  
7 GW  
1702 CKRZ 100.3 ON Oshawa 53  
(NEW STATION)  
19 IR  
2240 CJRQ 92.7 ON Sudbury 210

# MAY 1992

25 ES  
2022 WMM 93.8 GA Moultrie 895  
2051 WZBA 104.9 MS Moss Point- 1030  
Mobile AL  
2044 WKNN 99.1 MS Pascagoula- 1035  
Biloxi-Gpt-Mob AL  
(55 db 1)  
2052 -MUF 107.3-  
2055 KQLD 106.7 LA Port Sulphur- I  
New Orleans  
(Oldies-106.7, 45 db)  
2102 unid 106.7 .. Hits-106.7 I  
2138 unid 94.3 MN .. w/MN PSA I  
2152 KLLZ 99.1 MN Walker-Bemidji- 780  
Park Rapids

RICHARD K. SHAFTAN - 39 OLD MIDDLETOWN RD - ROCKAWAY, NJ 07866

(201) 586-3563, Beeper for DX: (201) 955-4256

Equipment: Realistic STA2280 with 7 110 filters (see McVey article, Nov. 1990), Channel Master 20 Element TV 45' AGL. Phased with two Radio Shack FM Outdoor Antennas stacked 7 feet apart 30' AGL and an Archer FM-TV-UHF indoor portable amplified antenna phased thru 3 variable attenuators, two "capacitors in a box" and a Radio Shack "Variable Interference Eliminator". Both outdoor antennas are run through Radio Shack mast mounted amps. (In car: Kenwood KRC-430, with 2 110 khz filters).

# APRIL 1992 DX

11 TrS  
1058 WDBA 107.3 PA DuBois, ID, near Giants Stadium, Rutherford, NJ within view of Empire State and World Trade Center 5 miles away  
12 TrS  
1320 WRHE 107.9 NY Syracuse, muzak behind WEBS (who is now Mix 108), calls in promo  
2237 WYRK 106.5 NY Buffalo, low of 18. ID

# 13 MS

1523 WWIS 99.7 WI Black River Falls, "...WIS FM 99.7, AM 1260", MS relog

# 17 TrS

0100 WRCY 107.7 VA Warrenton, "WRCY Warren ton", another illegible town in ID  
0113 WEZO 107.7 NY Wethersfield, "1:13 at EZ 107", not EZ 107.7, Heard in car another night in Fairfield. Never knew WSNJ went off at 12.

# 19 TrS

1705 WNNT 100.9 VA Warsaw, Tappahannock ad

# 20 TrS

2357 WXTR 104.1 MD LaPlata, Xtra 104

# 21 TrS

0100 WESM 91.3 MD Princess Anne, ID  
1612 WGRG 101.7 NY Owego, "on...street in Binghamton"  
1749 WKLL 94.9 NY Frankfort, "94.9 K-Rock" Heard in Ogdensburg, NJ (Yep it's them Rich-gc)  
2008 WRQX 107.3 DC Washington, Heard in Englewood, 1.5 miles to Geo. Washington bridge

# 28 TrS

0159 WFRW 88.1 NY Webster, ID Family Radio USA Radio news, In/out w/WRGN Sweet Vly.

# 29 Tr

2300 WPLR 99.1 CT New Haven, o/local WAWZ. WHCH Hartford also over local WNNK.  
2331 (WXNJ) 94.3 NJ Avalon, "Extra 94.3" with greaser oldies

# APRIL 29 Tr cont

2344 WJMJ 88.9 CT Hartford, "Your ecumenical radio station"

# 30 Tr

0000 Boston 105.7, 98.5, 90.9, 89.7 in No WCRB at all. Are they off the air?  
0030 WPKN 89.5 CT Bridgeport, o/local WSOU  
0105 WWHB 107.1 NY Hampton Bays, // WNEW-FM, weak. WZVU/WXPS makes this channel hard.

# MAY 1992 DX

# 6 TrS

1712 WEZG 100.9 NY North Syracuse, Lite 101, heard in Ogdensburg, NJ in Saxess co, a great location for DX

# 7 TrS

1723 WHOM 94.9 NH Mt. Washington, PSA  
1313 WRCK 107.3 NY Unica, ID in Parsippany

# 11 TrS

1200 WWRM 107.3 FL St. Petersburg, lame "Tampa Bay's Warm 107"

# 12 TrS

1203 WRBO 104.7 FL Tampa, Q105 ID  
1210 WCWB 101.7 FL Trenton, Ad for Harry Realty 542-7835. Call to them indicated they advertise on WCWB, who now IDs as "River Country 101.7FM"

# 12 TrS

1212 WMGE 107.7 FL Mt. Dora, lame disappearing at same time as WWRM (above)  
1214 WHVE 102.5 FL Sarasota, local ad  
1220 WKTK 98.5 FL Crystal River, "KTK Thousand Dollar Thursday"

# 12 TrS

1223 WMTX 95.7 FL Clearwater, WFTS-28 ad  
1229 WYUU 92.5 FL Safety Harbor, Oldies relog  
1231 WYNE 94.9 FL Tampa, Rolling Stones and heavy metal mixed w/unidentified country szn which could have been Tallahassee.

# 12 TrS

1240 WXCX 95.3 FL Homosassa Sp., "A Crystal River man was arrested"

# 12 TrS

1250 WJIS 88.1 FL Bradenton, religion

MORE OF RICH'S DX IS ON THE NEXT PAGE!

# RICHARD SHAFTAN'S REPORT continues.

# MAY 1992 DX

17 Tr  
2142 WCIB 101.9 MA Falmouth, Bruins hockey thru local WQCD New York.  
2359 WPXC 102.9 MA Hyannis, "Nobody plays more classic rock than Pixy 103"  
20 Tr  
0630 WZNS 92.9 SC Dillon, Z93, new state  
0635 WZBH 93.5 DE Georgetown, 93.5 The Beach  
0640 WZFX 99.7 NC Kannapolis, ad // Bill N.  
0645 WDCG 105.1 NC Raleigh, G-105 ID  
0650 WSVS 104.7 VA Crewe, "Southside's Best Country" relog  
0655 WKML 95.7 NC Lumberton, calls, and country. In till at least 0930.  
0701 WINC 92.5 VA Winchester, local ad  
0705 WMDM 97.7 MD Lexington Park, "southern MD forecast" and Lexington Park mention  
0720 WKOC 93.7 NC Elizabeth City, could not get the parallel on 94.1  
0740 WRKZ 106.7 PA Hershey, Z107 thru WLTW  
0800 WHTK 99.7 SC Port Royal, "With 100,000 watts of power, WHTK Port Royal-Savannah", 650 mile record trip. Wow. (Nice catch Rich-gc)  
0810 WSBY 98.9 MD Salisbury, Y-99 was looking for something better  
0815 WASH? 97.1 DC Washington, lame thru local  
0824 WMRA 90.7 VA Harrisonburg, NPR and ID  
0827 WJTL 90.3 PA Lancaster, ID  
0836 WFSI 107.9 MD Annapolis, religion while trying for WBT-FM.  
0838 WYCL 107.5 PA Boyertown, over WBL's. Locals WCB, WHZT wiped out by Philly  
0840 WMMX 105.3 VA Norfolk, Mix 105, other Norfolk's on 92.9, 95.7, and 100.5 also in.  
0845 WBSB 104.3 MD Baltimore, Variety 104.3  
0850 WXYV 102.7 MD Baltimore, soul on top of local WNEW-FM with phasing.  
0855 WJMH 102.1 NC Reidsville, Thru WIOQ lame soul, "The Jams"  
0930 WFLS 93.3 VA Fredericksburg, ID thru WMMR, out at 1000.

# 23 Es

1825 WPAP 92.5 FL Panama City, ID  
1828 WESY 98.5 FL Panama City, Sunny 98.5 ID  
1831 WDOE 99.7 AL Dothan, lame 99.7 Wolf FM  
1840 WPCF 100.1 FL Panama City, probably the one here with religious music  
FM Totals: 706 stations, 32 states, and DC, 4 provinces 3 countries. Note: WVRV Valhalla NY 88.1 signs on at 0956 on Sundays.

BOB SMOLAREK - 156 OLDWICK RD - WHITEHOUSE STN, NEW JERSEY 08809

Equipment: McIntosh MR78, Carver TX-11, Stereo Probe 9

# APRIL 1992 DX

# 19 TrS

0130 WIYQ 99.1 PA Ebensburg, o, WAWZ off  
29 Tr  
2320 WNNJ 91.1 NJ Dover Twp, c, // WWFM 89

# MAY 1992 DX

8 Es-heard in Bridgewater, NJ in car!

1200 WCTQ 92.1 FL Venice, k  
1205 WPCY 97.5 FL Winter Haven, k  
1215 WJXR 92.1 FL Macclenny, k  
1220 WLQH 97.3 FL Chiefland, k

# MAY 25 Es

0905 KRTS 92.1 TX Seabrook, classical // Bill N.  
0920 KKBQ 92.9 TX Pasadena, "Houston's New 92.9 Soft Country Hits"  
0946 KJEF 92.9 LA Jennings, local ad  
0949 KKZN 93.7 LA New Iberia, "Z 93.7" with Crosby, Stills, and Nash and Young  
1059 KRVS 88.7 LA Lafayette, ID with Lake Charles, I think they were referring to the repeater  
1200 KOAI 89.1 AR Little Rock, classical, KOAI Little Rock. A service of the Little Rock School District? Call Change? (I think so. Someone else reported 90.5 in L.Rock now using KUAR, the old calls on 89.1, so something's up-gc)  
1209 KAJN 102.9 LA Crowley, probably the one Bill N and I heard here. Too strong for Syracuse  
1230 KVTI 91.7 TX Dallas, religion // Bob S.  
1236 KZPS 92.5 TX Dallas, w/Lynard Skynard  
1300 KGLY 91.3 TX Tyler, religion, wx, ID  
1400 KOKE 90.9 OK Edmond, ID as 91-FM with Christian program, call in show #800-545-1819/405  
KKNG 92.5 OK Oklahoma City, Mix 92.5  
1600 WAMU 88.5 DC Washington, strong with blugrass over WXPB and WEDW. A first since those two clogged up that channel.  
1630 WEAA 88.9 MD Baltimore, "Northern St. University Radio, WEAA" with promotions and mucho IDs. Trip out to central PA and south to Delmarva. Boston 89.7, Binghamton 89.3 too.  
2025 KWYN 92.5 AR Wynne, Thru WXTU // Bill  
2031 KROA 95.7 NE Grand Island, only possible for religion here thru above UNID and WFLN.  
2034 KOKO 98.5 IA Council Bluffs, local ad for Mickey Finns, and ID as Sweet 98.  
2036 KZKY 96.9 NE Seward, Lincoln's k, Kix 96"  
2039 KOAK 95.3 IA Red Oak, "Your favorite music is on KOAK"  
2045 KNCY 97.7 NE Nebraska City, 55 degrees in downtown Nebraska City  
2050 KCIC 100.9 AR Russellville, calls, country  
2055 WLLR 101.3 IL E.Moline, ad for Bandits playing in downtown Galesburg and the Miss. Vally Fair in Davenport.  
2103 KEGQ 99.3 IA Boone, believe this is the one with religious programming thru elimination.  
2116 KIOA 93.3 IA Des Moines, "All oldies, all the time". Bob S. says this is KIOA.  
2120 KWMG 93.5 NE Columbus, // 93.7 unID. Bob says this is KWMG but can't figure the 93.7 either (Two stations with same satellite feed maybe?gc)

MORE SUPER Tr & Es from Bob next page

# BOB SMOLAREK'S REPORT continues

## May 20- Super tropo!!

0615 WBFX 99.7 NC Kannapolis, rp  
0620 WZNS 92.9 SC Dillon, rp  
0725 WBOB 101.5 VA Fredericksburg, r  
0745 WQSM 98.1 NC Fayetteville, r  
0747 WKML 95.7 NC Lumberton, k  
23 Es  
1835 WTNT 94.9 FL Tallahassee, k  
1837 WRBA 95.9 FL Springfield, r  
1840 WOOF 99.7 AL Dothan, r  
24 Es  
2038 KLEL 92.1 IA Ft. Dodge, o, Cool 92  
2043 KTPB 91.1 IA Fort Dodge  
2045 KBNA 94.1 IA Iowa City, r  
2047 KQWC 95.7 IA Webster City, k, last  
heard in 1985 on 95.9  
2050 KKEZ 94.5 IA Fort Dodge, r  
2058 KDMI 97.3 IA Des Moines, g, Mono  
2100 KBBG 88.1 IA Waterloo, s  
2100 KIDA 92.9 IA Ida Grove, ex 92.7  
2108 WMT 96.5 IA Cedar Rapids, r  
2108 KRLS 92.1 IA Knoxville  
2114 KXKT 103.7 IA Atlantic, r, The Cat  
2115 WLLR 101.3 IL East Moline, k  
2117 KSUX 105.7 NE Winnebago, k, K-Sioux  
2119 KDL 101.7 IA Perry, r  
2122 WGLC 100.1 IL Mendota  
2125 KWMG 93.5 NE Columbus, rp  
2126 KGGG 94.9 IA Des Moines, rp  
2135 KIOA 93.3 IA Des Moines, o  
2140 KQKQ 98.5 IA Council Bluffs, r, Sweet 98  
2152 KIWR 89.7 IA Council Bluffs

May 92 will go down as one of the great DX months. I added 31 new ones in the month. It was a "memorable" Memorial Day weekend!

JIM RENFREW - 61 WILCOX ST - ROCHESTER, NEW YORK 14607 (716) 461-2717

Equipment JVC auto radio

## APRIL 1992 DX (EDT)

9 Tr  
1425 WFLS 93.3 VA Fredericksburg, k, ID, ads  
STATE #15  
1450 WPGC 95.5 MD Mount Airy, D, STATE #16  
1508 CIT 107.3 PQ Montreal, burst of French  
1740 WAMO 105.9 PA Pittsburgh, local theatre ad  
14 GW  
2058 TIS 91.9 NY West Chilli, home sales tape  
loop from Roberts Wesleyan College, flea powered  
heard in immediate vicinity  
29 GW  
1605 WNYO 88.9 NY Oswego, pr, ID  
30 Tr  
1600 WNWV 107.3 NY Elmira, The New 107.3 WNWV  
1602 WRD 97.1 OH Ashtabula, "temp in Erie"  
MAY 1992 DX  
7 Tr  
1259 WKSC 89.7 OH Kent, c, D under WKNA &  
WEOG with WTR off the air  
1403 WQSD 94.7 DE Dover, k, popping in for an  
hour, finally an ID, STATE #17

## MAY 25 Es

0924 KPTS 92.1 TX Seabrook, c  
0933 KJEF 92.9 LA Jennings, k, ex 92.7  
(Boy, everyone is leaving 92.7 it seems-gc)  
1230 KVT 91.7 TX Dallas, g  
1243 KGRM 91.5 LA Grambling, s  
1331 KOLL 94.9 AR Maumelle, o  
1332 KODZ 94.9 AR Arlington, o  
2028 KTOD 92.7 AR Conway, k  
2030 KOYN 93.9 TX Pans, k, Coin-94  
2039 KQKQ 98.5 IA Council Bluffs, r, Sweet 98  
2045 KJY 92.5 IA Ankeny, k  
2054 KWMG 93.5 NE Columbus  
2057 KIDA 92.9 IA Ida Grove, r  
2058 KLYR 92.7 AR Clarksville, k  
2105 KTL 93.3 OK Ada, r  
2107 KADA 96.7 OK Ada  
26 Es  
1930 WJIS 88.1 FL Bradenton, g  
1938 WCTO 92.1 FL Venice, k  
1941 WQLM 92.9 FL Punta Gorda, r  
1951 WCIE 91.1 FL Lakeland, g

**WVAQ**  
**FM/102**

## MAY 6 E skip

1101 KIOA 93.3 IA Des Moines, legal ID possibly  
TrS, STATE #18  
1137 WQVY 95.5 FL Fort Pierce, r, ID/local ads  
1138 WXD 95.7 FL Homestead, salsa mus.  
Miami ads in Spanish  
1155 WKLB 102.1 FL Rock Harbor, k, ID local ads  
1159 WHEW 101.9 FL Fort Myers, k  
1200 WEAT 104.3 FL W Palm Beach, ID, Sunny  
104.3, local ads  
1201 WMTX 102.7 FL Pompano Beach, call ID  
1202 WAXY 105.9 FL Fort Lauderdale, Waxy 06  
1203 WLRQ 99.3 FL Cocoa, 1 hr Rock 99.3  
1206 WQCS 88.9 FL Fort Pierce, c, Classic 89  
Indian River Community College  
1207 WAYU 88.7 FL Ft. Myers, Christian rap mix  
1209 WSOR 90.9 FL Naples, news, then D  
1215 WFLZ 93.3 FL Tampa, Des Power 93 with  
the "Power Lunch Jam"  
1217 WKRY 93.5 FL Key West, j, Key 93, local ads  
1220 WRXK 96.1 FL Bonita Springs, 96 Rock ads  
J.M.S. REPORT CONTINUES ON THE NEXT PAGE

# JIM RENFREW'S REPORT continues

## MAY 8 Es continued

1224 WPCY 97.5 FL Winter Haven, k, 97 Cntry, ID  
227 WCIQ 92.1 FL Venice, ID, Coast Country, ads  
231 WEZY 94.1 FL Lakeland, EZ 94.1 ad for  
the Florida Lottery  
1231 WYFO 91.9 FL Lakeland, ID following dramatic  
reading  
1251 KIOA 93.3 IA Des Moines, local ads  
8 GW  
1304 CKLN 88.1 ON Toronto, local concert  
info heard with WFRW off the air  
9 Tr  
1303 WPHD 94.7 PA Tioga, r, legal ID (Jim, you're  
right, WKOB 92.5 Susquehanna, and WPHD 94.7 in  
Tioga simulcast, with WKOB being the parent-gc)

Very strange to have KIOA begin and conclude Es to south Florida. I'm not sure whether KIOA was TrS or Es at the time (it's possible although unlikely, that it was TrS. Check future VUDs for other possible long haul trop that day. I have had similar Es openings with "oddball" stations nowhere near the main opening, especially near the beginning and end of an opening-gc). Es to South Florida very strong and all over the dial, while Es to Kansas Oklahoma was intermittent, and only on a few channels. According to Jerry Band and George Greene, 105.9 should be taking the air in a few months. WYNO 93.3's advertising in local papers, but no telephone number yet listed by phone company

HARRY HAYES - 9 HENRY STREET - WILKES-BARRE, PENNSYLVANIA 18702 EDT

Equipment: Superadio II modified w/110 khz filter, Jerrold 9 el. antenna in attic hand rotated, Radio Shack FM amp at set. New are underlined.

## MAY 1992 DX

8 Es  
1232 WCVU 94.5 FL Naples, "Shore 94"  
1233 WOLZ 95.3 FL Fort Myers  
24 Es  
2043 KNEN 94.7 NE Norfolk  
2052 KLDZ 95.1 NE Lincoln, #1  
2110 KLIR 101.1 NE Columbus, #2  
2146 KEFM 96.1 NE Omaha  
2159 KHNE 89.1 NE Hastings, #3

**TALK RADIO**  
**102**  
**FM WTAZ**

## 25 Es

1233 KWKH 94.5 LA Shreveport  
1234 KSMB 94.5 LA Lafayette  
1249 KYKK 96.1 LA Lake Charles  
1252 KYKR 93.3 TX Port Arthur, #4  
1255 WQNZ 95.1 MS Natchez  
1300 KYDP 89.1 LA Dry Prong, relig, full ID  
1305 KLSA 90.7 LA Alexandria, #5  
1306 WMAO 90.9 MS Greenwood  
1325 KNUB 101.5 TX Tyler  
1343 KTYL 93.1 TX Tyler  
1353 KPXT 100.7 TX Mt Pleasant  
1355 KVIL 103.7 TX Fort Worth  
1400 KUAB 89.1 AR Little Rock  
1401 KETR 88.9 TX Commerce, "Service of  
East Tex. Univ. Home of the Gold"  
1418 KQUS 97.5 AR Hot Springs  
1430 KBBQ 100.9 AR Fort Smith, numerous  
local ads no CID heard  
2100 KLDZ 95.1 NE Lincoln

- #1 KLDZ 95.1 in for a good hour and a half with oldies
- #2 Reception of E skip of 101.1 and the two Tyler Texas stations on 93.1 and 101.5 attests to the effectiveness of the 110 khz filter. I have super locals on 92.9 and 101.3
- #3 Reception on 89.1 possible because local WSPX is off since classes are out at the Community College which owns the station.
- #4 KYKR 93.3 advertising itself as "KYKR 93.3 and now 95.1". A planned move or dual programming now that the FCC has relaxed its rules in situations such as this? (KYKR is moving to 95.1 in a LMA deal, while 93.3 will soon become Spanish programming, don't know new calls there-gc)
- #5 Reception on 90.7 since classes out at Wilkes University and WCLH-90.7 local is off. KSLA announcer acknowledged a caller from the Adirondack Mountains of New York State who was listening and requested a classical music selection.

I am very pleased with the amount of E skip this May. I would say that this was by far the best May for DX ever experienced by me. I'm sure others will agree. (Yeah for me this year rivals 1990, my best May gc) I am very happy with my Superadio with the 110 khz filter. I would advise anyone to have this done to their receiver especially if they live in a city or area with strong locals. Best Regards

**JERRY MONROE - FALLS ROAD - MARCELLUS, NEW YORK 13108**

Work Phone (800) 522-7464 448-5171, call 12-1pm

**JANUARY 1992 DX**

2 MS  
1530 WMSR 99.7 TN Manchester, "for greater Nashville", at work 625  
1903 WHTK 99.7 SC Port Royal, calls distant ID heard mobile STATE #24, note #1 750  
4 MS  
0318 WANV 99.7 VA Staunton, calls 400  
5 Es  
2320 WSIE 88.7 IL Edwardsville MS induced E skip, 88.7 wx was 50" "WSIE" distant, #2 800

**MARCH 1992**

17 GW  
1800 WMAX 106.7 NY Irondequoit-Rochester new rock and roll, note #3 80  
30 Trs  
2250 WAEB 104.1 PA Allentown cont. hit rdo. 175  
2255 WKTR 104.1 MD Waldorf Xtra 104 playing oldies (not to be confused w/WHIT Bfio!) 250  
2100 WPCV xtr 97.7 strong signal from east, #4

**APRIL 1992 DX**

7 Tr  
0130 WRTI 90.1 PA Philadelphia, Jazz 90 250  
11 Trs  
0350 WEEA 88.9 MD Baltimore, r & b show 275  
15 Tr  
0830 WFSE 88.9 PA Edinboro pop rock 225  
0855 WACZ 93.9 NY Danville plugging the fact that WDNV AM 1400 now stereo 100  
0900 CJRQ 92.7 ON Sudbury rock, 0db weak 350  
0055 WQRM 106.3 PA Smithport, 1000 watts relaying WFRM Coudersport, WKBI St Marys 150  
22 Tr  
0050 WDCU 90.1 DC Washington "You are listening to Jazz Radio WDCU, it's 51" 300



- #1 Heard in the DX-mobile on the way home from work. K-Mart Digital tuner with 2-130 khz filters, 18db gain 18 db gain pre-amp plus two 1/4 wavelength verticals on roof spaces 1/2 wavelength apart. (It's a big old Buck Wagon!) Plus switchable phase lines!! I now hear MS all the time plus Rochester, Buffalo Toronto Ottawa common on GW!
- #2 MS induced E-skip yes!
- #3 Called WPCX on this. owner has no idea of who this is and "would like to know" This has been noted twice
- #4 Drats there goes another frequency WIZN-VT can still be heard with phasing
- #5 Listening to multiple MS bursts all day on 99.7 Mhz, finally checked out ch2 with Daytona Beach in strong for 1.5 hours. MS induced E-skip again!
- #6 Typical ducing NYC but not Hartford (much stronger)
- #7 88.9 was about the best clear channel here. Not anymore!
- #8 Topper Lake NY not on air all winter I wonder if they transmit summers only They ID as the "Camp Power Station" (Maybe they just went silent like WYUT gc)

My phasing technique has been further improved. Both my FM yagi and phase antenna are first pre amplified 20 db with low noise low distortion CATV type amplifiers. Each amp is then fed thru a bandpass filter (tuned to) and adjustable attenuator. The signals are combined with a two splitter. No secrets here, when one tunes across the resonant frequency of a LC circuit there is a dramatic 180° phase shift. Tuning is critical but the results are amazing. For example, my favorite phasing "truck" locality is on 89.7 There is a 1kw station in Geneva NY WEOS maybe 30 miles away also on 89.7 is WITR Rochester, about 60 miles away, also 1kw, but much weaker. The angle between the two is ~ 20°, I can null out Geneva leaving much weaker Rochester. I don't think even the FM 13 is that directive! Good DX to all and bring on the meteor showers! Hope everyone is having a great summer! 73s Jerry Monroe

UPDATE It is reported that WNYP 99.9 in Cortland-Ithaca, NY has changed calls to WYYS I don't know if there was a format change. The new 102.9 Morristown, NY takes the WNYP call letters.

**MAY 1992 DX**

4 Tr  
2225 WXCX 103.7 MD Havre de Grace XCY 103 rock n roll (not country? gc) o/weak WONY 275  
2240 WKNE 103.7 NH Keene KNE-FM Elton John music good signal 225  
2254 WNNJ 103.7 NJ Newton wx for the north country legal ID, 3.5 kw 175  
5 MS all day, lacking in short lived FM L skip, #5  
6 MS  
0645 WSHA 88.9 NC Raleigh, 25 kw, cal s only then gone 550  
11 Tr  
0245 WPFW 89.3 DC Washington black oriented programming, 50 kw 300  
12 Tr  
0030 CFUO 89.1 ON Ottawa in stereo, playing hard core French music, strong 200  
0050 CKUT 90.3 PQ Montreal with really bizarre Native North American music 250  
0120 WNWK 105.9 NJ Newark, playing reggae hard core dance promotion. Called NYC phone# to QSL! Only 3 kw, Note #6 225  
18 Tr  
1800 CIMX 88.7 ON Windsor, local mens 350  
19 GW  
1830 WNYO 88.9 NY Oswego, 100 watts now on. SUNY Oswego stereo 9am-2am, #7 15  
20 Tr  
2330 CJRQ 92.7 ON Sudbury, The home of rock and roll, 15db clean 350  
21 Tr  
2345 CJRO 99.7 PQ Ste Georges de Nemours in four stereo, news in French 300  
22 Tr  
0045 CIGB 102.3 PQ Trois-Rivieres, with dance music in French, ads for T Riveres note no Topper Lake NY since February 1992! 325  
0100 WGLX 95.3 NY Gouverneur with Talknet Total service radio, multi ID noted 100  
0110 WOKO 98.9 VT Burlington c&w with WKLY Rochester phased out! 200

**PAUL MOUNT - BOX 126 - LINCROFT, NEW JERSEY 07738 (908) 591-2522**

Call 0800-0000, 0700-0100 for DX tips. Equip: Onkyo T9090II, standard 150 khz filters, real-stic 1 M rabbit ears, Archer 15-1122A, FM amplifier

**MAY 1992 DX**

8 Es (at work, not counted, but thanks to Rich Shafian for the tip)  
1220 WGLF 104.1 FL Tallahassee, rp, dedication to office in town  
1225 WEJZ t 96.1 FL Jacksonville, r, 96.1 The Light  
17 Tr  
2345 WKPE 104.7 MA Orleans, r, Cape 104, see note #1

**18 Tr**

2355 WCTY 97.7 CT Norwich, local spots  
0002 WNTX 96.3 MA Nantucket, c, s/off thru WQXR, mentions  
0007 WXTK 94.9 MA W Yarmouth, talk, ID into long Talknet jingle  
0016 WBMW 106.5 CT Leyland, r "New London's County's New FM, the all new Mix 106.5"  
0032 WQRC 99.9 MA Barnstable, local wx ("halo effect"), 99.9 QRC  
0044 WFXC 102.9 MA Hyannis, promo, Pixy 103  
0058 WCTK 98.1 MA New Bedford, k, calls  
0102 WLYT 96.3 MA Haverhill, Note #2  
0107 WBLO 99.3 RI Block Island, r, calls "your star station"  
0111 WYVE 102.3 CT Stonington, q, calls  
0134 WAVT 101.9 PA Pottsville, r, T102, WQCD was off the air  
0138 WCJB 101.9 MA Falmouth, rm, Lite 102  
0155 WKYS 93.9 DC Washington, s, calls with WNYC-FM off the air  
0200 WSHQ 103.5 NY Cobleskill, r, legal ID "Music 103" with WYNY off the air



Note #1 Was listening on bedroom boombox, ID sent me upstairs  
Note #2 Definite ID, "Boston's Lite is 92.5. Lite Rock, 70s, 80s, and today". My guess how: (reasonable speculation) WNTX has antenna aimed at Tisbury-92.7, Signed programming off but kept 96.3 carrier on, their antenna picked up 92.5 instead and rebroadcast it on 96.3 (That does sound like the best explanation for what occurred gc)

Note #3 HAD to turn off radio and pack for trip to California, barely made it to the plane "DXpedition" at Yosemite Village results sent to HQ, also airchecked many modern, CHR, AOR stations in Modesto, Monterrey, San Francisco, on this trip. I'm now living in a house, and having moved only 2 miles within the township, am not starting over counting totals began 4/30/90. If anything, moved slightly closer to Roxborough and NYC. Nice to finally have rooftop setup, with UHF & VHF antennas on a separate mast and rotor from FM, thanks to many members for advice. sorry no horizontally stacked Probe 9s, no room without pointing south into part of the wall. Lotsa 'easy' one 'new' as totals only around 200; last log entry before 5/8 was 1/23, but you just wait. Gosh no convention details, how gauche. Will work on phasing as time permits (only the radio equipment has been unpacked so far. priorities, right?) Glad you have them in order, hi-gc! had done some with 2nd set of rabbit ears for TV reception of Boston VHPs thru NYC successfully last year. Will try to return to more regular reporting status. (Looking forward to it, Paul! gc) 73

STATION NEWS: More updates..... urban KHRN 94.3 in Hearn Texas has switched to religion, and "Gospel 94" in Malone New York, WYNY 96.5 is on the air with country music (Thanks to Charles Gauthier's report) WNYO 88.9 Oswego, NY is on with progressive rock. In Delmarva, Pocomoke City

**20 Tr**

0748 WZNS 92.9 SC Dillon, rm "Mighty /93" State #17, thru WMGS  
0753 WARM 103.3 PA York, rm, "Warm 103" head through WPRB  
0801 WETA 90.9 DC Washington, show tunes legal ID & FM91, NPR  
0814 WSVS 104.7 VA Crewe, k, Tony Ryan show  
0815 WHVY 103.1 MD Grasonville, p, "103.1 the Underground"  
0824 WREX 99.7 NC Kannapolis, rp "Charlotte's Fox"  
0827 WFRE 99.9 MD Frederick, local news  
0835 WMBX 103.7 VA Richmond, r local spots "B 103.7", past WMGM  
0845 WWKL 94.9 PA Harrisburg, q traffic "Harrisburg's Kool 94.9"  
0915 WWMJ 104.7 MD Hagerstown, t, calls one of the few beautiful mcs left  
0923 WYLT 92.1 NJ Vineland, r, "92 First", new slogan?, note #3  
28: new equipment setup CM408, RG6, CM9510A antennas at 30 feet  
JUNE 1992 DX6 Tr-GW  
1013 WLAN 96.9 PA Lancaster, r, Air Hill 97 with calls heard too  
1019 WRVY 97.3 PA Harrisburg, qp, "The River 97.3" but not presented as "classic rock" (One of these new "soft rock & roll" sins gc)  
1029 WWKL 94.9 PA Harrisburg, q Kool 94.9  
1050 WZBH 93.5 DE Georgetown, rp "Delmarva's home of real rock and roll"  
1124 WIMX 99.3 PA Harrisburg, rm, "W.M.I.X" tough in light WMD null, past WAWZ and WBAI slop



GREG CONIGLIO - 5100 GLENWOOD DR - WILLIAMSVILLE, NEW YORK 14221

Equipment: Carver TX11 modified with 150 khz filters, Stereo Probe 9 FM antenna on roof = 25 feet, CAC11 & RG6 coax used, RCA switchable rabbit ears, and homebrew one capacitor phaser used in conjunction with Jerrold 9 element TV antenna. Archer-rotor

MAY 1992 DX

29.1r  
0905 KCRZ 100.3 ON Oshewaken, sports, "Grand River Country", heard often with open carrier 81  
0915 WJBE 95.1 MI Flint, call, c/s 253  
24.6s  
2122 KM0D 97.5 OK Tulsa, rp/s synd. show 1036  
2128 KGBX 105.9 MO Nixa, Countdown, calls 868  
2131 KQVE 99.3 OK Grove, Grand Lake weather, country music (\$), and call letters 956  
2132 KWMQ 100.3 MO South West City, wx/s 954  
2136 KMXL 95.1 MO Webb City, the Mix 95 1918  
2142 KWEN 95.5 OK Tulsa k/s K95 1035  
25.6s, big opening  
1200 WUSM 88.5 MS Hattiesburg, c/s, lg1 ID 994  
1211 WFFF 96.7 MS Columbia, calls 1014  
1214 KSLU 90.9 LA Hammond, J.S., sports promo welcoming home baseball team 1081  
1230 KDEA 99.1 LA New Iberia, now rm/s Cajunland festival ad, "Better Music 99.1" 1156  
233 KQKL 95.3 LA Bayou Vista k/s sat w/local CUXY phased, local ads 1153  
1236 KROE 105.1 LA Abbeville, "Oldies 105.1" with calls, CCR music, heard prev on 104.9 1174  
1237(WK08) 95.5 MS Jackson adult top 40 with B 95.5 slogan, ex WLIN & WQHT 973  
1239 WOWW 107.3 FL Pensacola, remote 972  
1240 WREX 95.1 AR Prattville, pp/s, The Fox 842  
1240 WJDX 96.3 MS Jackson, Mix 96, rm/s 978  
1241 WMFC 99.3 AL Monroeville, remote 922  
1251 WDLI 98.3 AL Chickasaw, mr/s, calls 992  
1255 WJDB 95.3 AL Thomasville, calls heard one of several over phased CUXY 915  
1256 WQCM 102.3 MS Gulfport, c/s, Coast 102 1042  
1300 WOSM 103.1 MS Ocean Springs, g/s, legal 1029  
1301 WJUD 105.9 MS Pascagoula k/s, Good 106 ID with Moss Point, B10x1 & Gulfport 1022  
1307 W.LTS 105.3 LA Shidell, strong, mr/s 1072  
1311 WMFM 106.3 MS Patai Lite 106, remote 986  
1317 WACT 105.5 AL Tuscaloosa, "Bama Entry" 830  
1320 KBAU 94.3 LA Galliano, Bayou 94, r/s 1091  
1321 WOKK 97.1 MS Meridian, k/s, 970KK 915  
1325 WKNZ 101.7 MS Collins, "Hattiesburg's Oldies Station, Z101", over phased WBTF tel 988  
1327 WJZK 93.5 MS Bay Springs, "ZK-Rock" 956  
1335 WYLI 94.1 LA Kentwood, rm/s via bird Sunny 94.1 never heard as McComb MS 1039  
1335 WJDR 98.3 MS Prentiss, wx 98.3 JDR 1002  
1337 WQZZ 98.1 LA Baton Rouge c/s, "Oldies 98.1" over phased local CHF, 1112

MAY 25 Escont

1340 WYNK 101.5 LA Baton Rouge, k/s 1116  
1345 KMDL 97.3 LA Kaplan, calls, remote over phased local CJEZ Toronto 1173  
1351 WHUT 93.5 MS Clinton, gr/s, Al ve 93.5 ment LMA with WSLI-AM in Jackson 976  
1356 WWSM 97.5 MS Oxford k/s, Miss 98 previously heard via aurora 3/24/91 829  
1402 KAFX 95.5 TX Daboll, r/s, K-Fox 95 1205  
1414 WOXD 95.5 MS Oxford, ads 836  
1416 KJNA 99.3 LA Jena, local ads 10/5/1416  
KKXZ 107.5 LA Ruston, local ads 1050  
1419 WJLN 98.7 MS Vicksburg, k/s, Win 98 981  
1422 WYMX 99.1 MS Greenwood, r/s (Top 40) music by Jesus Jones 900  
1425 WJOL 102.3 MS Leland, r/s, Q102, "The Delta's Hottest FM, Q102" 939  
1429 WBLE 100.5 MS Batesville, Country 101 853  
1430 KNOE 101.9 LA Monroe, r/s, FM 102 1029  
1435 KYEA 98.3 LA West Monroe, ss, "K98, KYEA", local signal 1040  
2019 WQUE 93.3 LA New Orleans, r/s, Q93 1101  
2039 WJMO 92.1 MS Hattiesburg, s/s, calls 992  
2035 WBBN 95.9 MS Taylorsville, k/s, B95 981  
2051 WKXI 107.5 MS Magee, soft soul music (\$), dedications, Kixie 107 956  
2052 KIDY 99.9 LA Lafayette, remote, calls over phased local CKFM Toronto 1150  
2100 WJTA 91.7 MS Kosciusko, gospel MOND call ment but no legal ID 900  
2101 WHUT 93.5 MS Clinton, legal ID 970  
2106 KYOL 105.9 LA Opelousas, mention of concert in Lafayette, calls given 1136  
NE 1992 DX  
2.1r  
1700 WEFB 88.1 PA Erie, g/s, Family Radio o/ CKLN and WFRW (also Family Radio) new stn 94  
4.1r  
1010 (W02R) 102.7 MI Mount Clemens, pr/s Z-Rock, heavy metal, ex WKSQ, WXCD 216  
7.1r  
2309 WPRR 100.1 PA Altoona, r/s, End of Future Hits, legal ID o/WBRR PA #125 172  
9.1r  
2326 WPHD 94.7 PA Tioga, rp/s, ID with Elmira & Corning, ment part of the "KGB network" (//WK08 92.5), phased down splash from super wide local WNED 94.5 108

## QSL CORNER & LOGOS RUN

Thomas J. Yingling, Jr.  
ARS-KATCC  
221 Pluewood Road  
Baltimore, MD 21222-2345

NC WUNF 33 Asheville, % P. O. Box 14900, Research Triangle Park, zip 27709-4900. Letter from Wayne Estabrook, CE / Transmissions. He mentions that station was seen in Mississauga, Ont. (Reid)  
GA WTLK 14 Marietta, 200 North Cobb Parkway, Suite 114, zip 30062. Letter & PR folder from Susan D. Parks, Exec. Asst. in 1 month. (Reid)  
MN KSAX 42 Alexandria, P. O. Box 189, zip 56308. Letter from Michael Burgess, G.M. (Reid)  
ND KVRB 15 Fargo, 4015 Nuth Ave. S.W., zip 58103. Letter from Glen Pederson, CE. (Reid)  
IN WXIN 59 Indianapolis, 1440 N. Meridian St., zip 46202. PFC (prepared file card for verification) signed by Mike McKinnon, CE (?) in two months. (Ross)  
PQ CIVO 30 Hull, % 800 Rue Fulum, Montreal, PQ zip H2K 3L7. PFC & business card back signed by Guy Cosnard, Dir. Tech. in 2 weeks. (Ross)

Well that's the qsl items I have to use. What happened? Did

WFLZ/Tampa  
**POWER 93**  
KRBE 104  
Hills Without the hype.

WJMO/Cleveland  
**JAMZ MIX100.7FM**  
WMXP/Pittsburgh  
**Q104**  
Kansas City

WPOW  
**POWER 96**  
Miami

WJMO/Cleveland  
**2**  
WKRN  
Nashville

WVNZ  
**Z104FM**  
Norfolk

people stop sending out qsl request, or is it that stations have stopped qsl'ing? Oh well! Reporters this are: Mike Reid of North York, Ont. & Robert S. Ross of London, Ont. The rest of this month column will be logos. 73's and report some qsl soon!

WJMO/Cleveland  
**Q102**  
Philadelphia

**POWER92**  
KKFR/Phoenix

**JAMZ MIX100.7FM**  
WMXP/Pittsburgh

**Q104**  
KKKS/Denver

**KMELJAMS**  
MORE MUSIC 106 FM  
San Francisco

**DANCE NOW!**  
KPWR/Los Angeles

**POWER95FM**  
FEEL THE ENERGY  
KHYI/Dallas

**WZPL**  
WZPL Indianapolis

**JAMMIN' 92.5**  
WJMO/Cleveland

**WJMO/Cleveland**

**JAMMIN' 92.5**  
WJMO/Cleveland  
FOX  
Detroit  
WDFX

**Kiss 108 FM**  
Boston  
WXKS-FM

**WPGE**  
Washington, D.C.

**Y95**  
Better Music  
KOY-FM, Phoenix, AZ

**MOJO RADIO 95.5 FM**  
WPLJ  
New York

**B390**  
Chicago

**THE BOX 97.9 FM**  
KBXX  
Houston

**96.3 FM**  
RADIO WHYY  
Baltimore

**B104 WBSB**  
KUBE93FM  
Seattle

**5**  
WVNZ  
Norfolk

**2**  
WKRN  
Nashville

**5**  
WVNZ  
Norfolk

**2**  
WKRN  
Nashville

**5**  
WVNZ  
Norfolk

**5**  
WVNZ  
Norfolk

**5**  
WVNZ  
Norfolk

Thanks to Dave Nieman, Bruce Hall, and Mike Cherry for recent logos. May was an excellent month here for DX. Unfortunately June has not been so great, with no FM or TV skip IDs as of June 10. Hopefully things will pick up. I'm happy with how the phaser is working out, sometimes it is unpredictable but in some cases I can get pretty good nulls on semi-locals, as well as using both antennas to add to signal by phasing them in heard WPRR using that method. Thanks Dave Nieman for alerting me to the skip on May 24, and thanks to all those who have researched the DX potential to be gained in phasing. That and filter modifications have improved the hobby.



MAILING ADDRESS  
PHOTO-NEWS  
12284 Nice Road  
Akron NY 14001-9529

JULY 1992

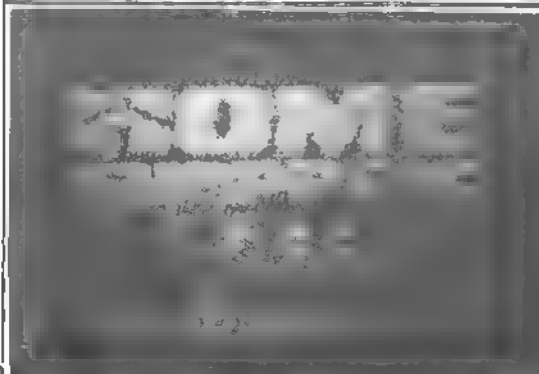
Some E-skip but little tropo the past month here in Western New York. Most of that skip reaching only channel 2. But late last year and early this year Midwest DXer, Jeff Kadet - Macomb Illinois was seeing some good UHF tropo conditions. Equipment: ICOM R7000 with video adapter; Zenith L1310, N1310, Y1310 13" color sets; five 9" to 12" black & white Zeniths for E-skip. Screened Channel Master 7' dish up 85' with Winegard PA 4975 preamp, .5" aluminum hardline. Various other antennae for VHF reception.



**CIII-41**  
Toronto Ontario  
610 mile tropo  
seen Dec. 30, 1991  
at 0200CST



**CFMT-47**  
Toronto Ontario  
610 mile tropo  
seen Dec. 30, 1991  
at 0300 CST

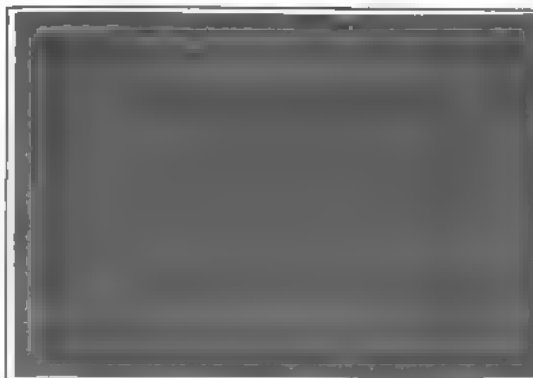


**WETA-D**  
Anniston Alabama  
539 mile tropo  
seen Jan. 5, 1992  
at 0202 CST

JULY 1992

PAGE TWO

more DX from Jeff Kadet



**WHSB-63**  
Monroe Georgia  
590 mile tropo  
seen Jan. 5, 1992  
at 0400 CST

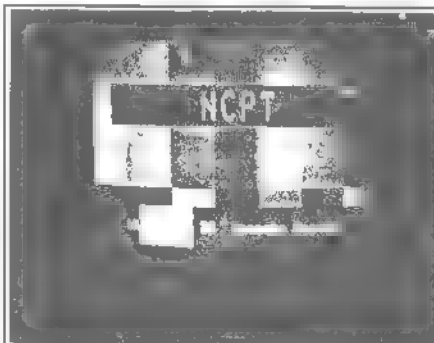
Thanks for the photos Jeff, we'll have more from you next month

## WTFDA PHOTO-NEWS

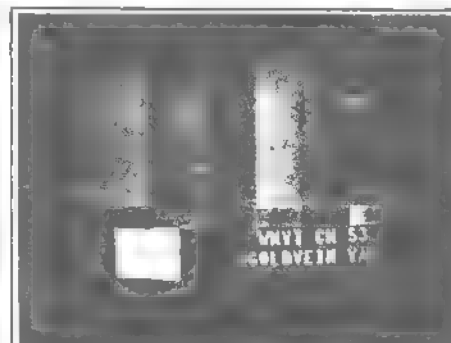


### NEW REPORTER

Richard Shaften - Rockaway  
New Jersey. Equipment: Zenith color TV circa 1991, GE VHS VCR and Channel Master 3517 antenna at 40 feet above ground.



**WUNC-36**  
Roanoke Rapids  
North Carolina  
350 mile tropo  
seen May 20, 1992  
at 0630 EST



**WNVT-53**  
Goldvein Virginia  
275 mile tropo  
seen May 20, 1992  
at 0715 EST

More from Rich Shaften next month

Till next time, DAVE

# WESTERN TV-DX

July 1992

Fred McCormack  
PO Box 65666  
St. Paul MN 55165-0666

Deadline: 08-06-92  
Cut off: 05-01-92

\*\*\* PLEASE NOTE NEW MAILING ADDRESS \*\*\*

E skip has begun! Reports are varied. Most regard the E skip as mediocre, but it was reported in May on the following dates: 1, 5-10, 12-17, 19, 21 29, and 31. Early reports of June E skip show the following dates: 3-5, and 10.

New New Mode - Tent. - t Unidentified - unid S/O - + S/off - =  
ID Color Bars - @ Unid Color Bars - % Misc. Test Patterns - &  
Parallel Programming - // MTS Stereo - \$

Jeff Kruska, 2824-E Steamship Circle, Harahan LA 70123

CDT

## Equipment:

Sylvania 12" black and white, quad loop cut for channel 2, Radio Shack U-75 corner yagi. Mitsubishi HS-U31 VCR.

May 1992  
1 Tr 2229 KRRT 35 TX 521 13 Es 1808 KINT 3 IA 927 25 Es 0835 unids 2,3,5  
KXAN 36 TX 454 2000 TGV 3 GU 0930 WTVH 5 NY 1186  
2233 KHOU 11 TX 319 15 Es 1855 CII2 2 ON 1260 1103 WSTM 3 NY 1186  
2237 KTBC 7 TX 454 16 Es 1132 unid 2 Spanish 1130 CHRO 5 ON 1302  
8 Es 1730 unid 3 CBS 23 Es 1840 WWAY 3 NC 758 1200 WGRZ 2 NY 1090  
(Brief) 24 Es 1159 KINT 3 IA 927 1230 CBLT 5 ON 1115  
9 Es 1744 unids 2,3,5 1606 WWAY 3 NC 758 1951 unid 2 French!  
1765 KICA 2 MN 1056 1700 WUND 2 NC 899 (Audio)  
(Audio) 1726 WMAR 2 MD 1003 29 Es 2242 unid 2 CCI

A mediocre May for E-skip. The opening on Memorial Day was the biggest - nice to get some new ones from Ontario.

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CST/CDT

## Equipment:

1986 Zenith b/w tube receiver ch 14N22, modified Zenith 175 2225 detent tuner. Rohn tower - Channel Master 1110 at 41'. Rohn crankup tower - Channel Master 7 foot dish with RDX Labs UA900 (round) preamplifier at 52' and 125' of Jerrold CAC11.

March 1992  
2 Tr 2235 KSAX 42 MN 404 12 Es 0830 WESH 2 FL 985 0930 WEDU 3 FL 1031  
22 Tr 0300 W54BE 54 IL 50 16 Es 2228 KSTX 3 TX 856 WUFT 5 FL 923  
(Sugar Grove LPTV) 2300 WPBT 2 FL 1229 1200 WCIV 4 SC 797  
17 Es 0045 WFMY 2 NC 641 WCBT 2 SC 797  
May 1992  
1 Tr 0530 WXMT 30 TN 408 24 Es 1650 WPBT 2 FL 1229 1900 CFSS 3 SK 878

I saw seven brief E skip openings in May - two of them into western Canada. The E skip usually goes into this area late in the season. Sugar Grove 54 has been on with color bars and ID almost continuously for two months.

Surprised to receive a call in April one Sunday evening from the owner of WLLT-FM-107.7 in nearby Polo, Illinois. I went over and had a brief chat at the studio between Sterling and Dixon twelve miles away. He had gotten a copy of the VUD from the manager of one of his other FM stations in Michigan. He lives in Mt. Zion, Illinois and has a station there also. The tower is six miles south of Polo on the highest hill in the area. The station gets out exceptionally well with only 1350 Watts power. Translator WQPT TV 61 (W61BV fm) is mounted on the southeastern leg of the tower. The FM antenna is on the top.

My mysterious oggling of the fighting cock test pattern is getting even more interesting. It might not be a rooster. Two people who have traveled in South America said they use test patterns similar to that there. A few stations go on late in the day. I've been told they will never verify which has proven to be true. So I am writing to ham radio operators in the area in question. Many things point to one station as the

## Western TV DX

July 1992

## William Eckberg (continued)

source of the signal. Hopefully, I will ID it shortly. Interestingly, not one person offered a clue after the picture appeared in Photo News.

Christopher W. Hanley, 1321 Beecher Avenue, Galesburg IL 61401-2027

CDT

## Equipment:

VHF antenna (unknown vintage) at approximately 30 feet. Tabletop Radio Shack UHF bow tie in the attic at approximately 15 feet. Kawasaki 13 color set.

Here's what I've gotten lately. Not too much, but compared with this time last year... I'll take it and be happy with it. (But of course, I'm looking for more.)

## April 1992

30 Tr 0830 KOZK 21 MD 292  
0637 KSPRT 33 MO  
0658 KCTV 5 MO 258

## May 1992

1 Tr 0830 WFIE 14(KY) 261 1 Tr 0825 KCTV 5 MO 258  
0640 WPSO 6 KY 270 0834 KRCG 13 MO 181  
0738 KSPRT 33 MO 5 Es 1714 WSTM 3 NY 744  
0757 KICA 49 KS 322 1715 WGRZ 2 NY 619

WGRZ 2 is my first new E skip station in a long long long time and my second shortest ever. James Christopher is one and walking and cutting four teeth at once. I'm at 180 TVs from 24 states. 73s and good DXing to all.

John Ebeling, 6843 County Road 47, Alborn MN 55702 (218 345 6718)

CDT

## Equipment:

General Electric 19EC0740W (1980) - electronic tuning (no fine tuning). Antennas in the attic - one pointed south towards Minneapolis/St. Paul and the other aimed southeast towards Duluth - selection via knife switch. Neither antenna is a DX type.

## May 1992

10 Es 0050-55 unid 4 Canada ("5" on screen) 25 Es 1400 unids chs 2-4  
1815 WBRZ 2 LA 1155  
10 Es 0025 CKSA 2 AB 880 19 Es 1955 WWL 4 LA 1190 1818 KJAC 4 TX 1185  
KUTV 2 UT 1085 24 Es 1930-2000 ch 3 unid 1830 KARK 4 AR 845  
(Alternating to 0050) 25 Es 1400 WSKJ 2 TN 880

Not a heck of a lot. Even today (5/31) as I write this, not a sign of any E skip on TV. Had a little FM E skip on May 25th also, but only three stations were logged as the opening was rather poor.

Mike Cherry, Box 631, Ganges BC V0S 1E0 (804-537-5201)

POT

## Equipment:

Kenwood RZ-1 receiver, channel 6 crystal trap. Hitachi 5" black & white monitor, Sony Beta Hi-Fi, MTS VCR, Archer 15-578 variable signal attenuator. Antennas: Lindsay CC-30 22 element log periodic w/ Dalcio EID-55V 28 dB mast mount preamplifier @ 38 feet with "ARM strong" rotor. Homebrew 6x element 6 meter (50 MHz) wide-spaced beam (1.5 wl) @ 60' with Hy-Gain CD-II rotor.

## April 1992

14 ms 0827 KEYT 3 CA 1006  
27 ms 0600 CKPG 2 BC 359

14 2E 0800 KMOLE 4 TX  
Es 0833 KKCNC 4 CO 1097  
22 Es 1100 KMMZ 2 NM 1245  
2000 KREG 3 CO 1028

## May 1992

4 Tr 1931 KATU 2 OR 234  
(Under CBT)

23 Es 0845 KTVS 3 CO 1160  
0857 KKCNC 4 CO 1097  
0900 KKWGN 2 CO 1097

2100 KDAB 3 OR 347  
12 Es 2100 KTVS 3 CO 1150

1000 KTVX 4 UT 794  
1030 KLNE 3 NE 1311  
KCWC 4 WY 833

14 Es 0600 KKWGN 2 CO 1096  
KTVS 3 CO 1150

1057 KREG 3 CO 1028  
1059 KCCZ 4 UT 940  
1100 KTHO 2 WY 926

0630 KPRC 2 TX 1963  
0658 KIII 3 TX 2007

1800 KWN 2 CO 1096  
KTVS 3 CO 1150  
KCNC 4 CO 1097

Es 0659 KCNC 4 WY 833  
0700 KTHO 2 WY 926

1900 KENW 3 NM 1467  
KVDA 4 AZ 1314  
1946 KMMZ 2 NM 1245

1159 KDUH 4 NE 1080

2200 KREG 3 CO 1028

## Mike Cherry (continued)

25 Es 1930 KCBBS 2 CA 1047 26 Es 0829 KCBBS 2 CA 1047  
2000 KVBC 3 NV 986 0830 XHBC 3 BN 1197

So far, E skip season is looking good - although things started a bit late this year. May 14th double E had tentative KMOL-4 with NBC ID and mention of "governor in Austin". At 0900 heard San Antonio on ID, but could not verify visually (sorry, didn't catch offset-this was on VCR).

May 23rd was a whopper of an opening - the best locally since May 27-28, 1990. Most of the day channels 2-4 were at least 4 or 5 stations deep - a very large footprint! (Also had a nice long chat with Doug Allen on 6 meters.) Opening finally faded at 2213. Numerous unids due to the layers of signals. Thanks to a 6 meter ham I was talking to in San Angelo, Texas, I was able to get a new one. The ham I was talking to turned on his TV and verified that what I was seeing was KACB-3!!!!

Hope everyone is getting lots of skip by now. 73s Mike, VESKA

Eric Sundius, Box 513, San Miguel CA 93451 (805-467-2513)

PDT

## Equipment:

Samsung 13" CT-334KA color w/rotary tuning, Winegard VHF only and Channel Master B' UHF dish both at 10' on Alliance rotor with preamps and RG6 downlead.

## May 1992

21 Es 2100	XEPH 2 CH 860	23 Es 1030	CKKX 2 AB 1105	27 Es 2030	XEPH 2 CH 860
	unid channel 4	1100	CFRN 3 AB 1270		5 CH 860
	("13 Network")		CKCK 2 SK 1295	2100	KDBC 4 TX 860
23 Es 1000	GITL 4 AB 1325	1255	unid ch 5 CBC	31 Es 1200	XHBS 4 SI
	KSNC 2 KS 1220	25 Es 1100	KSWK 3 KS 1090		
1030	CKSA 2 AB 1326	1200	KWGN 2 CO 885	June 1992	
		2107	KWID 2 TX 1080	4 Es 1830	XHI 2 SO

Having lived in both the Los Angeles area and the San Francisco Bay area, it is a real thrill for me to live halfway between both cities with only one local low band station. I only wish I had more channels to watch during the off-season. 73, Eric

William Draeb, Ellis St., Rt. #2, Kewaunee WI 54216 (414-388-2350)

CDT

## Equipment:

7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagi @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-2026 (low-band) yagi. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16u20 19" b&w (early 60's) (used with antennas on 40' tower). Panasonic 9" b&w

Well, E skip made its appearance, but it was nothing to get excited about, yet. Most openings were weak and never made it to channel 6.

## April 1992

28 tr 1800	W29BE 29 MI 110	7 Es 1222	KBME 3 ND 860	15 Es 1800	WEDU 3 FL 1185
	(Muskegon TBN)	1234	KWSE 4 ND 820		unid channel 4
	W40AK 40 MI 110	8 Es 1530	CFQC1 3 SK 1085	1810	KATC 3 LA 1030
	(Muskegon CHA)	9 tr 0615	unids 3 & 4 west		WBRZt 2 LA
		Es 1742	Iron Mountain Us	1812	WML t 4 LA
			WFMY 2 NC 715		WKRgt 5 AL
			WWAY 3 NC 865	1823	WLBT 3 MS 860
			WYFFt 4 SC	1826	WRBL 3 GA 850
			WRAL 5 NC 770		WTVYt 4(FL)
			KPRCt 2 TX		WDIQt 2 AL
			KBTXt 3 TX	1830	WTVJt 4 FL
			KMOL 4 TX 1200		WPBTt 2 FL
			KATC 3 LA 1030	16 Es 1952	unid channel 2+
			unids chs 5 & 6	2220	KPRC 2 TX 1115
			WLBT 3 MS 860		KBTX 3 TX 1065
			WABGt 6 MS		KIITt 3 TX
			WKRgt 5 AL		KDFW 4 TX 965
			unids chs 2 & 3	2330	most Es gone
			KTWO 2 WY 945	18 tr 2230	WOAC 67 OH 395
			KCWC 4 WY 1065		WNFO 45 OH 415
			unid channel 3		WTVY 33 OH 420
			WESH 2 FL 1125		WTTE 28 OH 375

## May 1992

3	( See Note # 1 )	1744	WYFFt 4 SC
4 tr 1910	W25BM 25 MI 180	1757	WRAL 5 NC 770
	(Berrien Springs TAB)	12 Es 1100	KPRCt 2 TX
	W24AI 24 IN 190		KBTXt 3 TX
	(Michigan City TBN)		KMOL 4 TX 1200
	W18AT 18 IN 185		KATC 3 LA 1030
	(Gary LPTV)	1220	unids chs 5 & 6
2030	( See Note # 2 )	1229	WLBT 3 MS 860
5 Es 1740	unid ch 2 south		WABGt 6 MS
	unid channel 3		WKRgt 5 AL
6 Es 0050	CFQC1 3 SK 1085	1540	unids chs 2 & 3
	CKSat 2 AB	1720	KTWO 2 WY 945
	unid channel 4		KCWC 4 WY 1065
	1000-1400 chs 2 & 3		unid channel 3
7 Es 1222	CKCKt 2 SK	15 Es 1800	WESH 2 FL 1125

## William Draeb (continued)

18 tr 2230	W40AK 40 MI 110	24 Es 1128	KJACT 4 TX	June 1992	
	W40AN 40 MI 95	1924	KTBS 3 LA	1 tr 2107	W54BK 54 IN 205
	(Escanaba WLUK-11)		MMABt 2 MS		(Chesteron LPTV)
2254	WSEE 35 PA 410	1951	unid channel 4-		( See Note # 3 )
	WQLN 54 PA 410		unid channel 8	3 Es 1815	channel 2- nw
2303	WQUC 44 OH 435	2055	WTKR 3 VA 780	1830	CBKFT2 3 SK
	(Snow free)	2131	WBTY 3 NC 710	4 Es 1555	KDNTt 2 TX
	WPGH 53 PA 470		WQBO 2 SC 900		KDFW 4 TX 965
	CIII41 41 ON 405	25 Es 0610	WUNC 4 NC 735		KFDXt 3 TX
	CBLN4 45 ON 315		KPRC 2 TX 1115		KXAS 5 TX 965
	CITY 57 ON 405		unid channel 2+	1755	KTWOt 2 WY
	CFMT 47 ON 405		KATC 3 LA 1030		KCWC 4 WY 1065
	CBLN2 34 ON 280		KJACT 4 TX		Canada chs 2-4
2311	WPTT 22 PA 485	0654	unid channel 5+	1905	KRTV 3 MT 1155
	(HSC -snow free)	0705	WGBt 4 MS	5 Es 0645	KKTO 2 NM 1165
	WFMJ 21 OH 420	0718	MMABt 2 MS		unid channel 2z
	WJET 24 PA 410	0723	WLBT 3 MS 860		KAMRt 4 TX
	WSFJ 51 OH 405	0729	WBRZt 2 LA	0702	KSWK 3 KS 840
	unid channel 64		unid channel 6	0703	KOB 4 NM 1185
19 tr 0530	CIII41 41 ON 405	0749	WEDU 3 FL 1185	0855	KENH 3 NM 1145
	CFMT 47 ON 405		WRBL 3 GA 850	0930	KTVX 4 UT 1280
	CITY 57 ON 405	1125	WJXT 4 FL 1030	0958	KLBY 4 KS 795
	WCBN4 45 ON 315		WPTVt 5 FL		(KAKE ID)
	WTJC 26 OH 365	1150	WESH 2 FL 1125	0959	KLEW 3(WA)1430
	(HSC)		WUFT 5 FL 1055		( See Note # 4 )
0539	WKBN 27 OH 420		WCPX 6 FL 1150	1000	KXLF 4 MT 1210
0548	GBLN4 45 ON 325	1400	WJXT 4 FL 1030	1230	unids chs 2&3
	CBCE 16 OH 285	1803	KWID 2 TX 1165	6 tr 2122	W15AM 15 MI 130
	unid ch3 ed west	1822	KOB t 4 NM		(Grand Rapids WHME-46)
20 tr 2233	W64AU 84 WI 120		KFOR 4 OK 810		W40AK 40 MI 110
	(Adams WHRM-20)	1900	KWAB 4 TX 1125		W618X 61 MI 130
23 Es 2158	unid ch 3 south		KFDX 3 TX 935		(Grand Rapids TAB)
24 Es 0905	KPRC 2 TX 1115	28 Es 1932	KENH 3 NM 1145		W25BM 25 MI 180
	1124 KBTX 3 TX 1065	31 Es 1805	unid ch 3 ne		no sign of W29BE

Note # 1 - Low band antenna back up.

Note # 2 - Picking up neighbor's satellite dish interference on channel 57 (color bars with "Seattle" across screen).

Note # 3 - W54BK with religious programming (Catholic).

Note # 4 - Weather with snow free ID slide.

A few notes: Local WLUK-11 sometimes shows a slide with their two translators - W40AN Escanaba and W43AE Iron Bay, Michigan on it. I don't know where Iron Bay is, but it must be near Iron Mountain because that's where W43AE is. (I think they may have the call letters wrong too. According to my information, W43AE is licensed to Knoxville, Tennessee. W43AN is licensed to Iron Mountain, Michigan. fm)

Also, while watching WJHQ-41 I noticed the call WOTV-41 on the screen. They get their news from WOTV-8, but I think they got carried away. (It would be interesting to know the story behind this. WOTV are the new call letters for channel 41. Channel 8 has changed from WOTV to WOOD-TV. fm)

The religious programming on W54BK I've seen before on WNDU-16 (same priest and format).

Fred McCormack, 2384 Teakwood Dr, Maplewood MN 55119-5520

CDT

## Equipment:

General Electric 9" color (Model 09GP103). Rabbit ears.

June 1992		10 Es 1400	unids chs 2 (2)	13 tr 0855	K55FJ 55 MN 90
10 tr 0758	K188Q 16 MN 110	11 tr 0835	K28AC 26 MN 200		(Austin STV-CNN)
	(Brainerd KSAX-42)		(Bemidji KVR-15)	1000	WHLA 21(MN) 110
0812	K868I 66 MN 120	13 tr 0830	K198Q 19 MN 70		WLAX 25(MN) 110
	(Aitkin WOI-10)		(St. Cloud TBN)		
0830	WHRM 20 WI 160	0850	KXLT 47 MN 55		

What a difference elevation makes! While living in Hidden Valley Apartments for the past 17 months, I logged no tropo signals. Since we moved into our new house two weeks ago, sunup tropo to 100+ miles has been seen daily using rabbit ears.



# EASTERN TV-DX

B111 Nienajadly/M20JJ  
PO Box 2999  
Clifton NJ 07015-2999  
201-478-3044-no collect

JULY 1992

Cut off 3 months

Deadline the 5th

"May 1992 is the best May for E-skip for all 23 seasons I've been Dxing"-Harry Hayes  
"The most productive week of DX since I started in August 1990!"-Eric Voytko  
"...the most exciting week of Dxing in 20 years...."-John Combs Dxing from the Outer Banks  
"...May has turned out to be very good for E-Skip..."-Dave Nieman

May turned out to be outstanding for Super Tropo and frequent E-skip. John Combs on the Outer Banks in N.C. logged Nova Scotia & Northern Florida at the same time. And (are you sitting down?)...some of the E.R.P.s of these stations from N.S. were as little as 650 watts at 797 stunning miles! Dxsers along the East Coast cleaned up on May 20th with UHF tropoducting from SC to NJ and possibly further like John Combs did. On May 25th (Memorial Day) a near day long of E-Skip. Eric Voytko said it lasted some 11 hours total. This column is gonna be a long one.

Ed Phelps Rt 2 Box 266 Benton KY 42025 502-527-2289 NN2E (Phoned into ETVDX)

May 7 1992 ES CFCI 2 ON in Kearnes - Station was located in the QUEBEC Road Atlas not in the Ontario Road Atlas

May 14 92 Tr-Early Morning @ 0120-0330+

WMAE 12 MS 153 WMAW 14 MS 328 WHIZ 18 OH 403 WJAT 53 OH 340 also Chicago Terre Haute Ft Wayne

Kokomo Dayton and stations in IL IN & OH

Afternoon there was ES with XEFE 2 NL KQTO 2 NM and KACV 2 TX Station total now at 500 stations

Steven Sprachman 15 Berry Lane Hicksville NY

\*\*\*NEW REPORTER\*\*\*

May 8 ES 1030 WEDU 3 FL WEAR 3 FL

May 15-17 SuperTropo weekend- Many relogs from Boston to North Carolina. Philly V's and U's snowfree most of weekend.

May 17 Tr 0830 W248B East Stroudsburg PA w/Channel America (Tent as on CHA list, but owned by a company which has several LPTV's w/Channel America). Antenna pointed West towards PA. W33AY Boston w/Video Jukebox Network. ID was 33-WAY Boston 1900 on W36AS New Brunswick-Great Reception. They have programs on weekends 7-10 to 11 PM, usually old Indian Movies. WBOC-16, WCPB-22 snowfree. Norfolk L's 15,17,33 49-(tent) MUNN-19 Jacksonville NC.

May 18 0630 Tropo over-Reception back to normal !!

I've also been playing around with the ATVs on "Cable channel 57". I've identified 7 local ATV lists: WBZLTS Wyandanch KEZUK-Brooklyn W2DAH-Lawrence W2AQA/R-West Hempstead W2NIA-Massapequa KBZNEO Ozone Pk W2BTA-Wantagh - I've seen one or two others that I have not identified yet.

Hopefully I'll have a more complete report next time. I've got to get back into the swing of things-writing down what I receive when I have a opening. I've also been photographing my catches as a permanent record. I have about 70 stations photographed (I just put another roll in for developing) plus 6 ATVs.

Finally I'm still waiting for the super-tropo opening. I've decided to play hockey from work when this occurs. My criteria- Wilmington NC south, Altoona-Johnstown PA West, North and West of Albany NY and any UHF reception of Canada (Steven, did you get in that Super tropo opening on May 20th?-BN) 73's Steven

Robert Ross Box 1003 Str. B London Ontario Canada N6A 5K1 VE3JFL

Toshiba Portable TV FM Beam-VHF Flying Arrow-UHF May 1992 E-Skip

23 1867 WPBT 2 FL 24 2259 KNOP 2 NE 24 2221 KJRH 2 OK 24 2028 WIVY 4 AL 25 2050 WKRQ 5 AL

Jim Renfrew 61 Wilcox St Rochester NY 14607 716-461-2717 GE color TV, Radio Shack rabbit ears, JVC auto radio

May 992 E-Skip (ch 6 logs on 87.75 FM audio)

8 1206 WCPX 6 FL 12 0920 WBRZ 2 LA 12 1357 WJNB 6 NE

As of May 21, no further sign of ES

Frank Wheeler 5589 Wattsburg Rd Erie PA 16609-5847

May 1992 E-Skip

8 1257 KATC 3 LA 1071 12 1230 KJRH 2 OK 927 23 1857 WPBT 2 FL 1110 15 1200 WESH 2 FL 908  
1258 KPRC 2 TX 1212 1325 KJNE 3 NE 1005 24 2300 KJNE 3 LA 1005 1327 WML 4 LA 1002  
1300 WPBT 2 FL 1110 1258 KJSD 2 SD 896 2308 WBRZ 2 LA 1016 1430 KSNC 2 KS 1009  
12 0958 WBRZ 2 LA 1016 15 1725 WEDU 3 FL 888 25 0900 KPRC 2 TX 1212 2000 WDIQ 2 AL 802  
0900 KPRC 2 TX 1212 1755 WPBT 2 FL 1110 0958 WBRZ 2 LA 1016  
1320 KSNC 2 KS 1009 1900 WBRZ 2 LA 1016 1000 WEDU 3 FL 888

Saul Chermos PO Box 801 Peterborough ON K9J 7A2 705-747 4557

May 7 ES Burnt River 1200 KOLU 4 MT 1230 KNOP 2 NE 1300 KDLH 4 NE 1330 K3MA 2 ND

May 21 Tr Burnt River 0100 CBLFT 61 ON 0100 CBC 56 ON 0100 CIOCB 28 ON

May 24 ES Peterborough 0100 KTV 3 MD 2100 KTV 2 MD 2230 KSNC 2 KS

EASTERN TV-DX

JULY 1992

Saul Chermos continued

A quick start to the ES season here. Nothing like getting a new state for my first TV DX logging of 1992. Wish I had been in Burnt River for May 24. Hope it lasts! 73s Saul

Ayodele Olafusi Adewokun P.O. Box 1800 Akure Nigeria Ph # 034-230959

21" Sony KV-2134M3 RM 6878 Infrared RE Commander

(Ed Notes: This was forwarded to ETVDX from NFM editor Greg Coriglio, though this report is seriously dated and way past the ETVDX cutoff date. It will be run anyway due to the unique location. I guess this puts new meaning to the WORLD wide TV-Fm Dx Assn!-BN)

Full names of station locations

IK=IKERJA AB=Abeokun VI=Victoria Island AK=Akure K4=Kwara IB=Ibadan OG=Ogun BD=Benel IL=(Not indicated-BN)

September 1991 AT1 T

1 0600 LWT 8 IK	8 0800 BCOS 28 IB	15 1100 NTA 10 VI	20 1500 NTA2 5 VI
0730 OGTV 25 AB	1100 NTA 5 IB	1900 OSRC 23 AK	1635 NTA 10 VI
0800 NTA2 5 VI	1300 NTA 7 IK	2100 NTA2 11 AK	1800 LTV 8 IK
1100 NTA 10 VI	14 0700 BCOS 28 IB	2300 NTA 8 IL	2005 OGTV 25 OG
1300 NTA 7 IK	0755 NTA2 5 VI	18 1815 LTV 8 IK	2230 NTA 9 IL
1800 OSRC 23 AK	0955 OGTV 25 OG	1845 OGTV 25 OG	22 1500 LWT 11 AK
4 1800 OSRC 23 AK	1100 NTA 10 VI	19 1700 LTV 8 IK	2100 LTV 8 IK
1530 NTA2 5 VI	15 0800 NTA2 5 VI	1745 NTA2 5 VI	2300 OGTV 25 OG
2000 NTA 9 KW	0900 BCOS 28 IB	1800 OGTV 25 OG	24 1700 OGTV 25 OG
2100 NTA3 4 IB	1005 OGTV 25 OG	2100 LTV 8 IK	1830 NTA 11 AK

October 1991 AT1 Tropo

4 1400 LWT 8 IK	4 1900 BCOS 28 IB	7 1100 NTA 10 VI	8 2100 NTA 9 IL
1705 NTA 10 VI	7 0710 LWT 8 IK	2010 NTA 7 IK	17 2030 ONTA 6 IB
1730 OGTV 25 AB	0800 OGTV 25 AB	8 1945 NTA 7 IK	20 0800 LWT 8 IB

(Ed notes: Unfortunately I had to extensively edit much of this report; there was an excess of relogs with a few stations were reported in excess of 14 times each. Sorry, but that is a editors' job-BN)

Jim Renfrew 61 Wilcox St Rochester NY 14607 716-461-2717 (REPORT # 2 This Month-BN)

May 1991 ES & Tropo

22 Tr 0030 WICZ 40 NY 120	24 ES 2300 KNOP 2 NE 1250	25 ES 1703 WBRZ 2 LA 1150	25 ES 2100 KGAN 2 IA 850
0930 CIII 41 ON 100	25 ES 1411 KATC 3 LA 1200	1762 KTBS 3 LA 1200	2140 UNID-see note
CBLFT 25 ON 100	1602 KARK 4 AR 1000	2045 KJRH 2 OK 1150	2152 KTV 4 IA 950
CICA 19 ON 100	1606 WEAR 3 FL 1050	2059 KTV 3 MD 950	2155 KBME 3 ND 1200
0945 CITY 57 ON 100	1636 WEDU Mr Rogers	2100 K3MA 2 ND 1300	2240 CBMT3 MB 1100

Note: (On channel 3) End of lengthy World War 2 program for Memorial Day, 1st noted @ 2011 Suspect PBS

A day with big pile-ups, heaviest around 1600 and 2100, at times with all three networks evident on channels 2,3 & 4. Jerry Bond told me he was getting Es on FM at least high as 96.1, but I only had a few brief glimpses of ES on 5, & 6 is washed out by FM interference. My car is in the shop so I couldn't drive out of the city for FM DX.

Paul Mount Box 126 Lincroft NJ 07738 908-591-2522 07-01 7 days

Teknika TC 22 Tuner Sanyo ZIC100 as monitor -Before 5/28 Radio Shack 2 bay Table Bowtie UHF antenna after 5/28 CM 4228A 8 bay bowtie UHF antenna @ 28', RG-6, Winegard AP 4700 amp, CM Crossfire 3613 VHF antenna @ 25'. 300 ohm downlead both on CM HD 9515A Rotor Sanyo 13" TV as monitor plus Archer 15-1115A UHF 20 db Coaxial In Line Amplifier, Archer variable variable attenuator 6/3 Tr 0230 WBOC 16 MD-nt # 2

5/20 0756 Tr WMTM 27 PA-nt 1	5/30 0157 Tr WMLP 22 MA	5/30 Tr 0230 WJAR 10 RI	0255 WJSH 66 MA
0619 Tr WTTA 62 NY	0200 Tr WGBB 40 MA	5/31 GW 1324 W36AS NJ-Tp	0301 WMLP 22 MA
0658 Tr WSKG 46 NY	0208 Tr WGBL 8 PA	6/3 Tr 0200 WBBE 36 RI	0303 WSKB 38 MA

Notes # 1 -5/20 was mostly Dxing FM, much better luck to SC, NC, and had to leave 0930 to prepare for flight to CA-barely made it!

# 2-This only receivable 'off the back', pointed that way, it didn't come in...strange...Not really a Philly 17 overload problem in that direction. (Paul I think it could be the Teknika tuner, it really has poor selectivity, my el-cheapo Samsung Color TV runs circles around the Teknika in selectivity-BN)

Glad to finally have a house and a DX set-up. Thanks to Rich Shaffan, Bob Smolarek, Joe Fela, Kurt Richardson, Rich Werthman, and our ETV editor for their opinions regarding better setups. (Glad to help out-BN) There is some overload from the locals, but having the extra amplification was preferred in reception of the Springfield past ch 21 and 41 (all ENE of here). The closest station is probably that LPTV in New Brunswick: I am approximately 25 miles to the World Trade Center, 56 (miles) to Roxborough (Philly Ant Farm-BN), and having moved just 2 miles, across the township, won't have to start over from the totals begun 5/90. Won't see you in either Lakewood or Pittsburgh, gosh!

From S. ANDC FL MAY 1996

[illegible]

FROM NAGS HEAD, NC

[illegible]

THIS REPORT CONTINUED ON NEXT PAGE

EASTERN TV DX

John F Combs (continued)

MAY 1992  
23 Tr 0905 WJWJ-16 SC 363

0911 W54- SC? 271  
Georgetown? (TBN)  
See Note #3)

0915 whr, ulte j s sq  
0917 W344X NC 162  
upID 46 xltr of  
WGBS-57- image?  
0959 WHY? 14 NC 322  
W344X NC 224  
24b WCST-69 RI 451  
Block Is. and  
CBHTB-34 NS 768  
1502 "RT" 24 NA 765  
164 BH7 F 14 797  
0379 BH7 F 54 NA 747

Most stations under 300 miles not included in Outer Banks logs above. Also omitted are such stations as WLIG-55, WHSI-67, WNAC-64, WJIT 30, and many others that, although 300 to 500 miles distant, constitute daily scatter at Nags Head!!

NOTE #1: Assumed there is a CP in Myrtle Beach for "Impact Television," one of the pseudonyms used by TBN. The channel 66 signal peaked in the same direction and at the same times as W68BZ.

times as above.  
NOTE #2 Very strange. Seemed to peak just east of due north. At 0720 what appeared to be an all slide aired prior to a lower left quadrant had what looked like a "39" and writing underneath scalar location? with a large photo or graphic filling the balance of the screen area. Possibly, musical background. At 0729 30 on a nose what must have been a s on announcement, the programming start at 0730 00 VERY weak signal limits available detail s, but there aren't even any channel 39 a location in that direction, and this did not behave like an LPTV

NOTE #3 Again assumed "here" is another "Impact Television" CP in Georgetown, and this signal peaked in that direction.

## EQUIPMENT

Orlando - 4-bay UHF w/Winegard AC-4990 preamp @ 20 AC Winegard VHF antenna (forget  
model # - 19; AG, both turned by Archeator Teknaka TV-22 tuner, Ambassador 12" B&W TV,  
Sony Trinitron 13" color receiver/monitor, Mitsubishi and Gold Star VCRs  
Nags Head - 7' UHF dish (Antennacraft reflector with De hi feed) w Winegard AP 4800  
preamp (30 db) @ 27' AG, 4 bay UHF W/AC-4990 at same height (used for a couple of days  
when high winds made the dish too risky on its temporary mount); Teknika TV-22;  
Ambassador 12" TV Zenith 19" B&W TV, Mitsubishi VCR; small "mobile home" type antenna  
used for VHF @ 25' AG

I am now settled in Orlando where I did quite a bit of DXing back in the 70's and 80's. I have reconnected my TV DX log from here and will add to my previous totals. I'm currently living in a mobile home park with no provision for erecting antennas higher than 20 or so Oh well. I do do occur to I can verify the use of two phone numbers one reaches my home directly the other is a wire mail box to be used between 2200 and 0600 Eastern time so as not to disturb my mother's sleep.

The BIG DX news comes from a trip to the Outer Banks, accompanied by former WTDaer Jim Alexander and the infamous Matt Little, (who had to leave before the big fireworks began - sorry, Matt!). I send you a tape. Without a doubt the highlight of the trip was seeing JHF from the Canadian Mar. times something I've always known to be possible from the Outer Banks. It did not come as a total surprise as watching weather maps during the first few days led us to believe such a path might open. And it did on 3 different occasions! The distance combined with the low ERPs as little as 650 watts on some of these relay's make this a truly incredible feat. Even considering the all-water path. The most mind blowing moment was on the evening of the 3rd when both Nova Scotia and northern Florida were in simultaneous on a span of around 400 miles in almost opposite directions. Needless to say, this was a lot of tape of these antics! Running a close second was the morning of the 2nd on which GA and VT were in simultaneous

This was the best set up I'm or I have ever used at the Outer Banks. One wonders a reception like Matt James' 7H's occurs more often than we might think- if one lives year round in Nags Head with a UH's dish and XDR's preamp. Even Scotia might not be such a rare, if unfortunate, when you go there one week out of the year it's a crashout as the what conditions will be like

A few notes: neither WDPB-64 JE or WCAX 58 MA seem this trip: are they off? Both WMAZ-NJ and WOST-69 RI surfaced suddenly: they both run Channel America and other bargain basement fare and may have very irregular sited. The MD PBS stns run NWS audio on their SBC's. WETA-TV noted using SAP on MacNeil-Lehrer for live SCS translation. Those Long Island LPTVs are a riot with their live phone in psychics all day long! Back in FL, WWSV-30, the Fox affiliate in Jax, runs a 2200 mcast using the same anchors and set as WKXJ-17, but not a taped repeat, a live show with "Fox 30" graphics. Are there any similar partnerships in other markets?

Sorry to use up two full pages of VUD space, but when one experiences the most exciting week of DXing in 20 years, one tends to get a bit excited, hi! 73, JOHN

Eastern TV DX  
William R. Heppburn 35 Lockwood Rd Brampton ON L6Y 4T7 (EDT)

JULY 1992

Equipment JVC HR-D530U VCR w/attic VHF dipoles

May 1992

05 ES 1915 KSNK 2 KS 1060 25 ES 0757 KPRC 2 TX 1290 25 ES 2129 KXMA 2 ND 1135  
1925 -MUF 4- Houston Dickinson KX-2  
08 ES 1845 -MUF 2- 0759 KDFW 4 TX 1190 2143 KXJB 4 ND 905  
15 ES 1957 WPBT 2 FL 1225 0808 Unid 2 w/tp Valley C Fargo  
2058 -MUF 3- 1758 WPBT 2 FL 1225 2150 WEAR 3 (AL) 895  
16 ES 2227 -MUF 4- 1939 WSB 2 GA T 26 ES 2010 -MUF 4-  
24 ES 1753 -MUF 4- 2052 -MUF 107.3-

Eric Voytko 1721 Dalewood Place, McLean, VA 22101 703-356-9663

Equipment: UHF-Screened 6' Channel Master dish, Winagard PA-4975 preamp and 6 UT-2700 traps  
HD73-1 rotor, RG11/064 Foam, 35' AG  
VHF-Channel Master Quantum 1110, Archer rotor, RG11/064 foam, 35' AG  
RECEIVERS-Icom TV/R-7000, JVC HRD970U VCR, Zenith and Sony Monitors

May 1992

15 ES 1930 WBRZ-2 LA 990 17 Tr 0623 ELI4U NC 220 25 ES 1035 KATC-3 LA 1060  
1930 KDTN-2 TX 1210 (note #1) 1129 KFDX-3 TX 1240  
16 ES 2200 KSHC-2 KS 1160 24 ES 1620 CUBA-2 1244 KTAJ-6 (TX) 1030  
20 Tr 0605 WBRZ-28 PA 170 1925 CUBA-3 (Canal 6) 1300 WREG-3 TN 740  
0605 WOLF-36 PA 190 (note #2) 1310 KOTV-6 OK 1030  
0607 WCNC-36 NC 320 1926 WPBT-2 FL 910 1317 KITT-3 MO 870  
0608 WCCB-18 NC 320 2029 Fr. Canadian-3 1330 KCBT-3 OK 1030  
0608 WJZY-46 NC 330 (note #3) 1344 KJRH-2 OK 1030  
0610 WFDE-15 SC 340 2034 MUF 6 1415 KSNW-3 KS 1110  
0610 WRUP-36 NC 190 2043 KTCB-2 MN 920 1500 KMTV-3 NE (t)  
0615 WRUJ-39 NC 320 2045 KDLO-3 SD 1130 (newscenter 3 on KM-3)  
0634 WATH-23 PA 130 2300 KXMA-2 ND 1400 1520 Fade out  
0636 WFTT-36 MD 120 (note #4) 1828 KACV-2 TX 1380  
0641 WISG-46 NY 230 2307 Fade Out 1941 KJRH-2 OK 1030  
0656 WFTT-40 NC 260 25 ES 0824 MUF 3 2034 MUF 6 (briefly)  
0750 WHTJ-41 VA 90 0900 KBTX-3 TX 1210 2100 KDLO-3 MN 990  
17 Tr 0530 WCNC-36 NC 320 0935 MUF 6 (loc. 4/5 heavy CGI) 2133 Unid Canadiane  
0530 WJZY-46 NC 330 0957 KPRC-2 TX 1230 2210 Fade Out  
0612 W40AP PA 80 1021 WBRZ-2 LA 990 26 ES 1921 WPBT-2 FL 910  
1950 WEDU-3 FL 820

Notes #1-New LPTV distance record/Independent, Reidsville NC  
#2-Music show, followed by CubaVision 6 animated sign-off, then to MTV news at 20:00  
#3-Watching above mentioned Cuban opening when this crashed in out of nowhere!  
Had show called 'Surprise', much like Candid Camera or Bloopers & Practical Jokes  
Followed by 'Less Informations' evening news-type show  
#4-New E-Skip distance record

Greetings to All. This is my first report since 1991, due to 60 mph winds folding the chimney mounts on my dish in March I was able to fabricate new heavy-duty mounts, as well as upgrading to a HD73-1 rotor and foam RG-11 with .064 center conductor. I also found a connection between my A/B switch and the Icom to be the source of my sensitivity problems with the Icom's video adapter.

The upgrade paid off, particularly during the opening on 5/20. The Icom handily outperforming the JVC VCR on UHF. On VHF, selectivity is still a problem, but the JVC handles the low bands decently. Areas that I once considered super tropo catches are now in on daily scatter, (eg-Cleveland, Charlotte and NY State) and with the use of traps the R7000 actually resists UHF overload better than the JVC.

Now on to Memorial Day weekend super-skip! On 5/24, the first opening started in Cuba, then took a radical jump into Canada, followed by KTCB and KDLO hanging around for over two hours and ending with a new distance record in North Dakota.

The miserable weather the following day made it a good day to sit in front of the TV, which I did for over eleven hours watching the skip. The first burst, a marathon nine-hour event saw the MUF rise to channel 6 several times, and local WRC-4 was often within microvolts of being over-run. Every 15-30 minutes was a new station ID'ed, with strong, stable signals. Loggings fall into a definite South to North pattern from Louisiana to Kansas as the day progressed. The MUF never could crack into the FM band, though. After a three hour lull, KACV Amarillo came crashing in, and again it worked its way north into Canada by the time it ended. KDLO Duluth was in for over an hour. The most productive week of DX since I started in August 1990.

Eastern TV DX

Dave Nieman 12284 Nice Road Akron New York 14001-9529

JULY 1992

Equipment RCA 19" b&w TV with Teknika 6510 tuner. Channel Master 3617B VHF on a CDE rotor at 23 feet  
Channel Master 4451 LHF with E.A. Tongue CMA Lb preamp on a crankup tower with Alliance HD-73 rotor at 40 feet. Using RG-11 coax for both antenna  
New loggings are underlined. New call {KKKK}

February 1992

5 GW 2351 W39BC NY 18 12 ES 1231 KFDX 3 TX 1246 25 ES 1000 WBRZ 2 LA 1118  
1318 (KBSD) 6 KS 1201 under WGRZ Buffalo  
1326 KSNW 3 KS 1058 1000 KATC 3 LA 1173  
1354 KWNH 6 NE 1166 1039 WLBT 3 MS 983  
1417 KOTA 3 SD 1235 1130 WEAR 3 FL 987  
March 1992 19 Tr 0004 WKEF 22 OH 372 1212 WDSU 6 LA 1097  
5 Tr 084 KS 30 PQ 350 24 ES 2042 CKND 2 MB 1136 1232 WKRG 5 AL 989  
May 1992 1 Tr 0348 WCPX 6 FL 1001 under WGRZ Buffalo 1728 WEDU 3 FL 1064  
4 Tr 0348 WCPX 6 FL 1001 24 ES 2139 KOTV 6 OK 1029 2000 KGFE 2 ND 1003  
4 Tr 0348 WCPX 6 FL 1001 24 ES 2147 KYTV 3 MO 858 under WGRZ Buffalo  
4 Tr 0348 WCPX 6 FL 1001 24 ES 0718 KOET 3 OK 1046 2144 KSRE 6 ND 1156

Little tropo this year but May has turned out to be very good for E skip Dave

Dave Nieman Ho Sta Geh, Road Rock City, New York

Equipment RCA 9" b&w TV, Radio Shack V-110 VHF Channel Master 4225A UHF with DX Tele Lab BU-4S preamp at 15 feet on a Radio Shack rotor. Using RG-6 coax on both antenna  
New loggings are underlined. New call {KKKK}

May 1992

23 ES 1830 WCPX 6 FL 946 23 ES 1859 WEDU 3 FL 988 23 ES 1900 WPTV 5 FL 1062  
1857 WPBT 2 FL 1127 over WPSX Clearfield

First TV skip at Rock City. Nice to have the closest southern station (WPSX 3) on low band 68 miles away  
At Akron, Buffalo & ... and ... respectively. Dave

Matt Sittel, 220 Brookfield Drive, Kingsport, TN 37663 (615) 239-9186

Raleigh, NC DX

MARCH 1992

30 Tr 0620 WTAT-24 SC 200

APRIL 1992

14 Tr 0949 WBSG-21 GA 358

15 Tr 0859 WTAT-24 SC 200

23 Tr 0900 WTAT-24 SC 200

0900 WTKK-66 VA 225

24 Tr 0904 WDCA-20 (MD) 241

to WTAT-24 SC 200

1055 WHSW-24 MD 268

WHMM-32 DC 241

WFTY-50 DC 242

WJLA-7 DC 240

30 Tr 0930 WTAT-24 SC 200

Raleigh, NC TV log total.

186 (8/25, 88-5/1/92)

Kingsport, TN DX

MAY 1992

3 ES 1622 WAPA-4 PR 1609

12 ES 1044 KOET-3 OK 724

1056 KJRH-2 OK 734

1059 KAMR-4 TX 1083

1100 KACV-2 TX 1083

1100 KFOR-4 OK 839

1119 KCNC-4 CO 1252

1120 KFDX-3 TX 922

1129 KLEY-4 KS 1044

1130 KSNW-3 KS 831

1159 KRMA-6 CO 1253

1159 KSNK-2 KS 901

1229 KDUR-4 NE 1172

1229 KLINE-3 NE 955

1230 KNOP-2 NE 1032

12 ES 1248 KOTA-3 SD 1209

1254 KTVI-4 IA 844

1258 KPLO-6 SD 1038

1327 KXJB-4 ND 1065

1328 KGFE-2 ND 1126

1328 KBME-3 ND 1172

1328 KSRE-6 ND 1249

1357 CBWT-3 MB 1187

1359 CBWT-6 MB 1187

16 ES 0033 KSNW-3 KS 831

0033 KSNK-2 KS 901

0039 KJRH-2 OK 734

0040 KFOR-4 OK 839

0100 KLEY-4 KS 1044

0104 KBTX-3 TX 877

0132 KSWK-3 KS 1039

29 ES 1042 CV-2 DR

31 ES 1027 UNID-2

May produced more E-skip than I had expected. I know I had KIII-3 and other TX stuff one day in mid May but I have misplaced the loggings I scribbled down on a tiny piece of note paper. I still haven't sorted out all my belongings from Raleigh that currently reside in the basement, on my desk, etc. and if I don't get things straightened out before I move to Florida I may never know what day I saw it! I was out of town from May 4-9 and from May 17-27 so I'm sure I missed some skip, judging from what I have heard others say (plus I witnessed skip in CT at Bill Nollman's place, so I know!) I hope the skip season is great for all of us! 73 s Matt.

ETV DX Editor Asks: Are there ANY I.F. Filters that can be added to TV sets that can improve selectivity?  
And is it possible to Add a Video Modulator to High Quality scanners such as the Radio Shack PRO-2006?  
What are the best TVs on the market for DXing? Which VCRs DO NOT have video Muting? --More Questions to come-EN

# Eastern TV DX

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221  
 Equipment: Emerson Color TV Teknika TVC-22 tuner Jerrold 10 element VHF antenna, 4 bay JHF antenna with Channe Master 0071C preamp. Both are roof mounted on a Channel Master rotor  
 Leadin is CAC 11 and RG-6

**MAY 1992 DX**

5 Es 1430 WEDU-3 FL 1066	15 Es 1800 WBRZ-2 LA 1113	22 Tr 0800 Detroit, Cleveland
MUF of 104.71	21 Tr 0730 WITF-33 PA 201	Central NY, S Ontario up
7 Es 1730 MUF channel 3	WGBS-57 PA T	23 Es 1145 WEDU-3 FL 1066
8 Es 1241 KATC-3 LA 1168	WNUV-54 MD T	24 Es 2140 KMOV-4 MO 680
1300 WEDU-3 FL 1066	0740 W65AJ-66 NY 60	2145 KYTV-3 MO 851
12 Es 1256 KFOX-3 TX 1239	(Angelica WNED-17)	2300 KNOP-2 NE 1133
1300 KSNW-3 KS 1050	0740 W62A7-62 NY T	KLNE-3 NE 1083
1319 KBSD-6 KS 1194	(Friendship WNED-17)	25 ES 1130 WBRZ-2 LA 1113
1406 KWNB-6 NE 1158	0745 WPMT-43 PA 231	1200 WDSJ-6 LA 1093
1415 KOTA-3 SD 1227	0800 WPTT-22 PA 184	1320 KALB-5 LA 1118
13 Es 1800 KATC-3 LA 1168	nr snowfree	2145 KMTV-3 NE 893
	WPCB-40 PA 188	

This one is rare

Despite the distances not being that great the opening to the southeast on May 21 was a good one because they are very rare have only noted such an opening two other times Sept. 7 1989 and May 15 1991. The signal strengths were not as strong this time however (exception 33 and 43 were excellent). That has been the only significant trop. The big news has been the good start the skip season has had. First day was May 5 and the best so far has been May 25. I spent most of my time on FM TV DXing was for the most part futile anyway cause the channels were just loaded with signals. I heard rumours that one got to channel 7, but I did not see it myself. Hope everyone is having a great summer and plenty of e-skip!

Christopher S. Dunne, 21541 NW 8 Ct., Box 81, Pembroke Pines FL 33029-1085

Equipment: Technika TVC-22 tuner Jerrold 10 element VHF antenna with Channel Master 0071C preamp. Both are roof mounted on a Channel Master rotor  
 Leadin is CAC 11 and RG-6

5/4 Tr	5/26 3a	5/26 3a
02 1416 16 FL 1066	1030 WJTV VT 1290	1430 WJTV NY 1150
Palm Bay WJTV 2	KYw PA 960	2000 WFSX PA 990
		(See note #2)
5/23 "3a"	5/25 3a	
2000 KTVB MD 1125	1030 CKVR OH 1210	
WJIL IL 880	1100 WJTV OH 1010	
(See note #1)		

Notes....

- (1) Instead of "Es", I'll just call it "3a", at least until I get some other oh on Es....
- (2) These were played in! I set my VCR and let it run for 6 hours while I was at work. I prayed something would come in; and lo & behold, there they were! I won't record every day; my elec. bill is high enough.

I recommend the Sharp VCR for people who want to record Es/Tr, but are on a tight budget. If used properly (I prefer to use it with the Teknika), the picture plays back with less "warping" than many VCRs in that price range.

I think I've already racked up more 3s already in '92 than last year. Four new ones already. Still want to see Guatemala again.

Seventy-3s

*hilo*

More Questions from the ETV DX Editor: If Muting can be defeated in FM tuners, couldn't then a VCR or a TV be rid of muting in the same manner? Also if AFC/AFT can be rid of in FM radio couldn't then the same be done for TVs and VCR's? If a VCR has a tuner with a 120 channel capacity, could be simply adding / deleting a diode make the VCR get more channels (up to 180 channels) for Cable/Off air? It is done with Scanners why not TVs? BN

# Eastern TV DX

Harry Hayes 9 Henry St Wilkes-Barre PA 18702 RCA 1971 Color TV, Ch 2 & 5 Portable quad loop w/Radio Shack amp @ set  
 All May 1992 E-Skip unless otherwise noted

2 1220 ES 2 J.Stewart	10 0845-1515 AURORA-FM	17 0230 KPRC 2 TX	25 1130 KOTN 2 TX
Movie	12 0930 KPRC 2 TX	22 2320 ES, 2-3 Manitoba PTA	1135 KBTX 3 TX
5 1430 WTVY 4 AL	1927 KJRH 2 OK	23 1801 WSAV 3 GA	1310 KARK 4 AR
1758 KGAN 2 IA	1930 KQTV 2 MO	1901 WPBT 2 FL	1312 WBAF 5 TX
1805 KMTV 3 NE	13 1957 WBRZ 2 LA	24 1910 ICR 3 CUBA	1325 KDFW 4 TX
1814 KTVI 4 IA	2030 KOTN 2 TX	2000 WPBT 2 FL	1442 KJRH 2 OK
1825 KPRC 2 TX	2041 KJRH 2 OK	2000 KGAN 2 IA	1957 WGBI 4 MS
1900 KUSD 2 SD	2100 KETS 2 AR	2021 KTVI 4 IA	2000 KMTV 3 NE
2059 WPBT 2 FL	15 1650 WESH 2 FL	2030 KFVR 5 ND	2000 WMAZ 2 MS
7 1830 KUSD 2 SD	1652 WEDU 3 FL	2232 KMTV 3 NE	2130 KGAN 2 IA
1900 KGAN 2 IA	1810 WBRZ 2 LA	2232 KJLO 3 SD	2158 KETS 2 AR
8 1214 WESH 2 FL	1925 KBTX 3 TX	2300 KNOP 2 NE	26 1959 WEDU 3 FL
1215 WTVY 4 FL-HBC now	2050 WPBT 2 FL	25 1121 WBRZ 2 LA	1959 WPBT 2 FL
1220 WPTV 5 FL	2100 WDIQ 2 AL	1130 KPRC 2 TX	2003 ICR 3 CUBA

Just unbelievable! May 1992 is the best May for E skip for all 23 seasons I've been Dxing. the only other Mays that come close are 1972 and '75. If this follows through, we should have a fantastic season. What's doubly odd, is that this year follows a year with the worst May on record-1991. E skip affected FM on the 8th, 24th and 25th and possibly some of the other dates as well. Skip has mostly been of the intense variety this May-more like in June or July. This May has featured a lot of movement of weather systems and has been somewhat of a cool wet month unlike 1991 which was very dry and hot and featured little movement of weather systems. This may have a lot to do with all the E-Skip we are enjoying here in the North East. If the summer stays moist, we should have some good tropes as well.

Jeff Wolf 1131 University Blvd W, Apt 701 Silver Spring MD 20902

# ALL May 1992 DX

7 ES 1803+1900 MUF 3	20 Tr 0700 W39AK VA	24 ES 1628 MUF 2 MUF 3	25 ES 1230 KJRH 2 OK
8 ES 803 WJED 17 NC	0701 WJPM 33 SC 358	1742 f/o-MUF 2 1817	1247 KETS 2 AR
9 Tr 2259 WJED 17 NC 248	WJCB 18 NC 332	1915 WPBT 2 FL 900	1328 KOET 3 OK
2300 WJTV 13 SC	WJRC 28 NC 248	1959 CUBA 3-Canal 6 ID	1602 fade/out
2305 WJED 15 SC 349	0715 WJZY 46 NC 339	2058 KTCB 2 MN 867	1800 MUF 2
20 Tr 0202 WJFT 40 NC 265	0730 WJAT 24 SC 339	2101 UNID 3 FF	1957 KJRH 2 OK
0205 WJRC 28 NC-5/0/07	0739 WJNC 36 NC 332	2105 MUF 97.3	2210 MUF 2
0250 WJWS 30 ???	0745 WJEC 38 VA ???	2123 KJLO 3 SD	26 ES 1858 WPBT 2 FL 900
0259 WJFL 22 NC 251	0759 WJBA 14 SC 476	2125 KBME 3 ND	1938
0648 SC 13,23,43-T	0800 WJLO 25 SC 411	2252 KJSD 2 SD-?	TO MUF ch 5
TO 0656 NC 42,45-T	21 Tr 0105 NC 17,28,22,40	2320 MUF 2	1949
NC 16,17,36,40	0310 WJTI 12 NC ???-HSH	25 ES 0832 MUF 2-ch 3 @ 0857	2000 WJIL 3 FL 846
0659 WJNC 30 SC 369	0732 SC 13 ocl, NC 39 ?	0927 KFDX 3 TX 1225	2009 CUBA 3
WJLK 35 SC 409	23 Tr 0959 WJNJ 39 NC 344	1000 MUF 97.5	2129 MUF 2
0700 WJNJ 39 NC 344	24 ES 1410 MUF 2-fro @ 1510	1050 KATC 3 LA 1000	

Stephen West 26 Dougherty Blvd G B Glens Mills PA 19342

# ALL May 1992 DX

17 Tr 0830 WTVS 26 CT 186	20 Tr 0630+WAGT 26 GA 591	20 Tr 0630+WBA4 NC	20 Tr 0630+WJZY 46 NC
20 Tr 0630+WJCB 18 NC 427	to WJNC 30 NC 459	to WJLK 35 SC	To 0930 WJST 48 NC 362
WJTX 19 SC 489	0930 WJPM 33 SC 445	0930 WJNP 36 NC	24 ES 2000 WPBT 2 FL
			KJLT 5 SD

From VA BEACH On May 29th TR 1900-2400-Using R.Shack J-75 UHF ant, Wineyard PA 4975 amp on 4th floor balcony

25,26,30,61 CT. 36,64 RI 22 (WJLP) MA Springfield All s/f at times. Note WSKB 38 Mass was also coming in SNOW FRI!!

on the CABLE TV. Not able to count it as DX! (According to club rules, if the signal was picked up by the head end directly on the proper channel (ch 38 for WSKB) and not through a relay (microwave/satellite) you can in fact COUNT this as DX! Figure in the distance from the head end of the cable system along with the distance of station. Of course if you maintain a VA Beach Log you may enter this into your totals. Anything in a 25 mile radius is countable-BN

Dude from Joisey PO Box 2999 Clifton NJ 07015-2999 N2QJ U-120, AC-4990 amp, w/rotor @ 85 ft. Various TVs

Big Trop opening on May 20th, had SC on FM here. WJLK 35 VA, WJNP 36 NC, WJFL 22 NC @ 450 mi, Norfolk/VA Beach 27,33 and others this morning. May 25th Big E-Skip Memorial Day all day skip on TV concentrated on FM. May 26 MUF 95.7 @ 1752. On 30th MUF 5 @ 1225. June 1st NO TV Skip MUF 42,120 MHz! 3rd MUF 4 @ 2000. 4th 0700+ StrongTr to DC, Balt areas-s/f. Also on 4th MUF 6 @ 2030. 5th MUF 6 @ 0100 Scanner Skip to Pasco Co FL @ 1224 MUF 96.5 to AL. 10th MUF 102.5 @ 2010 only 10 mins on FM @ 55.1. June 13th 0700 Coastal stuff out to 125 miles-boring. Later same date MUF ch 4 @ 2230 approx June seems to be turning out to be a real dud so far, if it wasn't for the great May Skip & Tropo I'd say the season stinks. Greg tells me Aurora occurred again on 6/12. There are days in June where no skip occurs even on 30-50 MHz. Well lets hope June comes through with a decent opening.

GoodKING



# Television News

Doug Smith, Editor  
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Hawthorne, N.J. 07030  
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## ABBREVIATIONS USED IN THIS COLUMN

ERP= Effective Radiated Power, in kW  
HAAT=Height Above Average Terrain, in meters  
AAT= Above Average Terrain  
AG= Above Ground  
ASL= Above Sea Level  
nc= No change  
TL= Transmitter location  
CP= Construction permit  
MP= Modification permit  
(modification of construction permit)  
\* = Non commercial  
CRTC=Canadian Radio-TV Commission

## APPLICATIONS FOR NEW STATIONS

St	Ch	ERP	HAAT	Call	City
CO	4	6.6	403		Grand Junction; G.J. Broad. Co.
VZ	17	nc	429		Charlotte Amalie, Atlantic Broad. Co. (amended existing application)

## CONSTRUCTION PERMITS CANCELLED

St	Ch	Call	City
IA	39	KZJB	Newton

## CONSTRUCTION PERMITS REINSTATED

St	Ch	ERP	HAAT	Call	City
FL	61	813	443		Palm Beach; WFGC
VA	24	5000	30		Danville; WPAJ

## APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City
FL	61	5000	296		WFGC Palm Beach
MT	6	nc	249		KPOD Billings
TN	50	1225	347		WFBI Memphis
VA	24	2027	168		WPAJ Danville

## APPLICATIONS TO CHANGE EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
AK	13	2.25	257		KTNL Sitka
AL	25	1225	352		WHIQ Huntsville
MD	36	240	199		WGPT Oakland

(TL 39°24'14"N, 79°17'37"W)

## APPLICATIONS TO CHANGE EXISTING STATIONS (Cont'd.)

St	Ch	ERP	HAAT	Call	City
MT	3	10.42	31		KYUS-TV Miles City
OH	5	100	286		WSYX Columbus
OK	62	100	139		KMNZ Okla. City
PR	50	500	416		WQHA Aguada

(TL 18°19'07"N, 67°10'48"W)  
TN 17 3266 354 WZTV Nashville  
WI 38 60 360 WPNE Green Bay

## CONSTRUCTION PERMIT MODIFICATIONS GRANTED

St	Ch	ERP	HAAT	Call	City
TX	48	3162	160		KMZS McAllen
JT	12	9.8	42		KJSG St. George

## CHANGES GRANTED TO EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
CA	11	79.4	nc		KNTV San Jose
NE	19	767.5	342		KXNE-TV Norfolk
OH	53	5250	207		WWAT Chillicothe

## CALL LETTER CHANGES FOR EXISTING STATIONS

St	Ch	Old	New	City
AZ	40	KPOL	KHRR	Tucson
FL	56	WAYK	WIRB	Melbourne
IA	15	KOIA-TV	KYOU-TV	Ottumwa
NY	4	WNBC-TV	WNBC	New York

## CALLS GRANTED TO NEW STATIONS

St	Ch	Call	City
FL	27	WZVY	Orlando

The change of WOTV 8 Grand Rapids, Mich. to WOOD-TV has been withdrawn: it remains WOTV.

## NEW STATIONS ON THE AIR:

Porterville, CA, KKAK 612.  
2510kW, 765m AAT  
TL 36°17'14"N, 118°50'17"W  
Same site as KNXT-49; about 40km E of Visalia.  
Signon 5/6/92  
Independent

Bowling Green, KY; WKNT 40+.  
531kW, 161m AAT  
TL 37°02'10"N, 86°10'20"W  
Roughly midway between Bowling Green and Glasgow.  
Signon 11/26/91

Fox, primary for WGRB 34 n Campbellsville.  
(these are essentially the same facilities as when it was WQGB)

Roseburg, OR, KMTX Tv 462.  
9.82kW, 103m AAT  
TL 43°12'22"N, 123°21'56"W  
Appears to be about 10km WNW of Roseburg.  
KMTX 46 signon  
Signon 4/20/92.  
NBC affiliate. (presumably satellite of KMTR 16 Eugene)

## OTHER STUFF

That WPAJ 24 reinstatement looks like another one of those the EPA will never approve! installations, with 5000kw on a 30-meter tower. What's probably really happening-- they simply filed for the highest power available (they thought see next!) at a transmitter site they know is available-- planning on amending their application when negotiations for a "real" site are complete

Bill Fahber brought my attention to the 5250kW grant to WWAT 53, he says "I've noticed a few of these 5000+ requests lately, and the FCC has been granting them." I'll have to go back and double-check our copy of the rules-- I sure don't remember the FCC repealing this one.

For the last year or two, the Big 3 TV networks have been slashing "compensation", the money they pay affiliates for carrying network programs. (and, not coincidentally, network commercials) Last year, ABC paid about \$103million; CBS \$121million; and NBC \$120million in compensation.

Now CBS, in a very surprise announcement, has taken this trend one step further, reversing compensation, asking affiliates to pay the network for programs.

Stations in the 100 largest markets will pay back to CBS 25% of what CBS paid them last year. In markets 101-150, 20% will be paid, and in 151 and up, 15%. Also, CBS will be keeping more of the advertising time in its programs, rather than allowing the affiliates to sell it.

An unidentified station executive told the NYC Post that compensation has represented 15% 30% of the annual revenue of some smaller stations. Many CBS affiliates are expected to preempt more CBS programming; one executive suggested some CBS affiliates may switch to Fox.

The June 2 Post proposes taking this a step further,

requiring the networks to pay the viewers for certain offenses, with fines ranging from \$5 per viewer for changing a series' time slot, to \$30 for premiering a new "reality" series, to suspension of license for new series about talking dragons, babies or dogs. Cancelling a reality series would earn a \$35 credit!

Several broadcasters are filing a petition to extend the conversion period for HDTV from the 5 year plan adopted by the FCC to something longer. Their primary concern seems to be high equipment costs.

Zenith's "Digital Spectrum Compatible HDTV" was demonstrated on May 28 with a broadcast from WMVT-36 Milwaukee to Zenith's tech center in Glenview, Ill., about 120km south. No interference was noted from W36AO Palatine, about 16km away; some credited this to the HDTV broadcast being digital while W36AO is a standard analog LPTV-- but photos indicate some fairly directional receiving antennas were being used as well.

James Roggentine sent along an article in the May 31 Chicago Tribune regarding this test. The reporter wrote "...displays had images sharp enough to impress video writers mightily", and "...the sound was as clear as those from a compact disk player heard over a fine stereo system." One large-screen rear projection monitor "...seemed a bit fuzzy around the edges", which Zenith blamed on something other than the HDTV system-- probably true, projection TVs require some critical optical adjustments.

Test transmissions included computer-generated video, movie scenes, and excerpts of Chicago Bulls basketball games, taped in HDTV. Some Bulls shots taped by WGN-TV 9 with regular NTSC equipment were upconverted & edited in.

The article mentioned that the HDTV signals could be broadcast on the "taboo channels"-- specifying, in the Chicago area, channels 3/4/6/8/10/12/13. I suspect VHF channels will actually be used. The article also promised that Milwaukee stations will not "beam shows to Chicago viewers"

A research group has begun investigating the idea of cellular HDTV transmission. Some proposed HDTV systems could work with multiple low-power transmitters, rather than a single

high-power rig. This approach would solve serious problems for stations whose existing towers can't support another full-size antenna. (don't worry about clutter-- all calls would transmit on the same channel...)

Bill Fahber also had a few comments about my "Rules Primer" on HAAT. He, too, has noticed apparent inconsistencies in antenna height data; some members told him the FCC began allowing the use of aviation maps to determine HAAT. (especially in hilly terrain, the use of different topographic maps for determining HAAT could easily result in considerably different results)

I would also find changes in height at the same TL where (change in height above ground didn't equal change in height above sea level). I used to joke about the ground sinking. But I think HAG is the more accurate, and the inconsistency resulted from not accurately knowing the elevation of the ground." Makes sense from here. HAG (and ASL) can be measured with altimeters etc., HAAT, as it requires calculations & map reading, introduces a good chance for human error. Especially in the days before calculators, when the averaging of points could get messed up too.

As for stations whose antennas appear to be below sea level (for example, WIRS-42 mentioned last month), Bill says he thinks it was often the result of either swapping the numbers, or HASL being converted to metric, with HAG or HAAT left in feet. But there were some that seem just plain wrong-- and the FCC grants them anyway

The Senate has passed a bill to fund the Corporation for Public Broadcasting, with an amendment attached banning indecent programs between 6am and midnight. (the indecency ban applies to commercial stations as well) Noncommercial stations signing off at or before midnight would be allowed to broadcast indecent programs after 10pm. ("Indecency" is defined differently from "Obscenity", the latter being already prohibited at all times) A court challenge is expected, and will likely succeed.

KvBC-3 Las Vegas and KRNV-4 Reno have filed a lawsuit against the FCC. They charge that the rules prohibiting advertising of gambling are unconstitutional. Casinos may advertise on TV, but mentioning or showing gambling is a federal crime. KFBT 33 Las Vegas

was recently fined \$12,500 for violations of anti-lottery rules though I don't know whether casino advertising was involved.

Iowa's legislature passed a bill on May 22 blocking the sale of WOI-TV to Citadel Communications under state law, Iowa State University cannot sell real estate without the approval of state government.

The Fox network has decided to begin broadcasting 7 nights a week, starting this fall.

TV stations in the 50 largest markets aren't allowed to air network reruns between 8 and 11PM Eastern. This causes programming convulsions when changing population patterns cause markets to rise & fall in the rankings. 1992's "loser" is Little Rock, Ark., which moves from market 51 to 50; the "winner" is Albany, NY, going from 50 to 51.

I recently spent a weekend in Birmingham, Ala., had a bunch of FM notes, but there were also a few relevant to TV. First, WDBB-17 is not 100% parallel to WTTO-21, Sunday morning, WDBB was noted with a public-affairs program (with a set containing a large "17"), while WTTO was airing a religious program. I was staying on the wrong side of Red Mtn. to see WVAL-44, so I don't know which (if either) they were relaying.

Also noted was a W49AY with what appeared to be religious programming. Unfortunately, the signal was too snowy to read the city, and there was no audio.

W62BG (WDBB-17) was not seen. It's probably been rendered unnecessary by the WDBB/WTTO/WVAL relay. Or, was on the wrong side of Red Mountain.

## FORUM

Robert Kramer, Chicago IL:

Called twice with information on Chicago-area LPTVs, both noted on June 3. W54BE Sugar Grove (about 12km west of Aurora) has been running a color bar test pattern with ID, no programming yet

W54AP Mokena (10km east of Joliet) is Catholic Views TV with cartoons, films, and interviews with a Catholic religious orientation. Few IDs, only one seen in 4 days of checking. He says it gets out pretty well, better than W54BE. There's another LPTV in Mokena, W23AT with video jukebox.

He says he hasn't seen the Dunes TV network stations yet. There is a channel 54 in that net, but they're W54BH

Bill Nieniadly, Clifton N.J.

First, Bill, congratulations on the ham license! WTFDAers in the USA really should check out the new no-code ham ticket; the 50MHz ham band is a great place to actually use E-skip openings while waiting for the MJF to reach channel 2.

Bill also called on Memorial Day morning to report some E that weekend; he logged one of my FM locals, unfortunately I was driving at the time.

In the newspaper clippings department, another article on the basics of LPTV, in William F. Buckley Jr.'s column. (as printed in the May 28 NYC Daily News) This based on an interview with W43AV owner John Kompas of Milwaukee. Kompas provides the (rather optimistic, I'd say) prediction of \$233,000-300,000 in profit after a year or two--and makes no mention of the problems involved in getting on cable

In the June 12 Record (city unknown-- where in NJ, Bill?) the headline article announces a plan being developed to turn over control of the New Jersey Network (WNJS-23, WNJM-50, WNJB-58, WNJT-52) to WNET-13, which is technically licensed to Newark. Under the plan, WNET would abandon its expensive Manhattan facilities, and operate from N.J.'s two studio facilities, in Newark and Trenton.

WNET programs would be simulcast on WNJS-23 Camden/Philadelphia, the state would then try to sell the other 3 UHF stations as commercial outlets. I wouldn't be surprised if the FCC nixed the latter idea; and would be very surprised if existing NYC and Philadelphia stations didn't complain loudly! More likely, they could be sold as non-commercial stations, probably to religious outfits, and at a lower price.

Approval of the plan would be required of the FCC, the NJ Legislature, the governor, and N.J.'s and WNET's boards of directors.

Over 200 people have called a Dutch consumer hotline with reports of burning or exploding TV sets. One Hague resident reports her daughter's TV blew up while switched off, causing \$21,600 in damage. (however, modern TVs aren't really off when you turn them off)

Several brands have been responsible, baffling consumer safety officials.

(Bill, I used other articles, from the June 2 Newark Star-Ledger and June 1 and 2 NYC Post, along with my other sources, in the "OTHER STUFF" section)

Dave Sinclair, Vancouver BC:

Dave has also (as of May 27) seen some E, identifying KOTA-TV3 Rapid City, SD. No Dave, my luck has been worse! Should have known better than to move to a city with channels 2, 4, and 5!

He's asking for reader input on the relative quality of Winegard and Channel Master antennas, having reached the impression that our members prefer Winegards. That would be my impression too, though I haven't installed enough large antennas to base that on any personal knowledge.

Also in Dave's letter was an excerpt from April 1992 Wireless World (J.K.) indicating plans for Britain's new Channel 5 TV network. Government and network officials plan a network of 33 transmitters, 27 of them on (European) channels 35 and 37, currently unused for TV in the U.K.

Precision frequency control will be used to reduce co-channel interference, visual carrier frequency tolerance will be +/- 1Hz. This scheme, involving ultra high stability reference oscillators & frequency comparison against atomic clocks, has been used by some U.S. stations for many years, but is new to the U.K..

Due to differing transmitter sites, and the use of vertically-polarized antennas at some sites, it's estimated that 75% of Channel 6's potential viewers will need to install new antennas to receive the station. Another potential problem are VCRs, most of which are factory tuned to channel 36. (also previously unused) Some are expected to have drifted into channels 35 or 37; these will also have to be adjusted.

Wendell Ford, Westville IN.

Sent along an article from the March 21 Michigan City News-Dispatch about W04CQ. Owner Wayne Chubb says reaction from sponsors has been very good. (wait until they find out W04CQ isn't on cable!) Also sent along were a W04CQ coverage map (roughly, the northern half of Porter County), an ad for viewers

asking them to call 219-929-4400 with local news & activities, and an advertising "rate card", with purchase agreement. A 30-second spot every hour between 4 and 10PM one day costs \$90; 30-seconds every hour around the clock for 24 hours is \$120. Wendell, are these guys cross-promoting with WEFM?

Tom Bryant, Nashville TN:

Tom called in to clarify the 7/35" ID seen on WTVW Evansville. Another opening brought them in snow-free; and the word "years" is supered - in really small print across the "35". No translator here.

## FCC RULES PRIMER

Another mysterious term commonly found in FCC FM and TV info is "Effective Radiated Power", or ERP.

While TV stations may run 100 or 316kW ERP on VHF, and 5000kW on JHF, transmitters of more than 50kW VHF or 220kW JHF are very rare. It's the transmitting antenna that makes up the difference.

Of course, an antenna can't generate RF power; only a transmitter can do that. An antenna can, however, concentrate that power where it does the most good. It does little good to transmit a signal above the horizon-- the signal will just go out into space, and the shuttle astronauts don't have time to be watching TV! It also doesn't do much good to transmit too much signal straight down; that signal doesn't have to travel too far to reach the viewers near the tower, so it doesn't have to be particularly strong. So, antennas are designed to concentrate power along the horizon.

To keep stations from interfering with each other, the FCC needs a way to determine just how concentrated a station's power is-- if WXXX-TV is throwing its 20kW up into space & down into the ground, the Commission doesn't have to protect them from interference quite so far away.

Imagine that you have a TV with a signal-strength meter, and you live some moderate distance-- 15km, say-- from WXXX-TV. WXXX fires up their transmitter, set to 20kW, into their shiny new 3-bay antenna, and you get a signal meter reading of 9. Now, they replace the 3 bay with an "isotropic" antenna (a theoretical antenna that radiates equally well in all directions) and bring the transmitter up again. At 20kW, they're going to read less than 9,

as some of the power that was being directed your way before is now going into outer space. They start cranking up the transmitter; when they reach 40kW of transmitter output, your meter finally reads 9.

They now know that, when running 20kW into the 3-bay, they have an "effective radiated power" of 40kW (because it took 40kW of power, spread in all directions, to provide the same signal strength). Or, you could say, the 3 bay antenna has a gain of 2, or 6dB.

In practice, much higher gains can be obtained; gains in the order of 10dB are not unusual at VHF; 15dB at UHF.

But another factor has to be considered feedline loss. Serious DXers are all too familiar with this, in general, the longer the feedline, the more the losses. Transmitting stations use much larger (and more expensive) feedline than receiving DXers, but there's still line loss. This loss also has to be factored into a station's coverage area-- WTTW-11 atop the Sears Tower (where the antenna is probably within 60m of the transmitter) loses a lot less power in its feedline than KTHI-11, which has to send the RF up a 600m tower. In a transmitting station, feedline losses are on the order of 1dB.

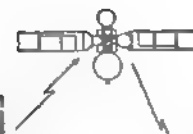
Related to ERP: "beam tilt" and "null fill". When designing a very high gain antenna (especially when trying to get more than 2500kW ERP at UHF), it's possible to concentrate the power too much, and not leave a strong enough signal near the tower to override signal that may reflect from guy wires, other towers, buildings, etc., and cause ghosting. "Beam tilt" involves intentionally radiating some of the power below the horizon, evening things out. The procedure does cost some gain, but if the tower is close to a populated area, it may be necessary.

Also, the pattern of a transmitting antenna in the vertical plane isn't a nice smooth curve it has peaks & nulls. Nulls can be VERY deep, and if they aren't attended to, people unlucky to live in a null (they often fall in a circle around 15km from the tower) may receive an unexpectedly weak or ghostly signal. Antennas can be designed to fill in these nulls, also at the expense of some gain.

very little Es noted here... Best opening occurred during the ARR. VHF Contest June 13/14.

73 Doug

## SATELLITE NEWS



George W. Jensen  
4604 Annapolis Avenue  
Baltimore, MD 21206-4220

The summer bodes to be a very busy one with a number of launches planned with the ensuing changes in satellite services. Most of these new birds will be like the new Galaxy 5 and will offer 16 watt transponders. Below is the revised menu for Galaxy 5. These services are on the air.

### XPDR

- 1 - Disney - East
- 2 - -----
- 3 - Trinity
- 4 - The Sci-Fi Channel - Fall, 1992
- 5 - C N N
- 6 - WTBS - Superstation TBS
- 7 - WGN - Chicago
- 8 - H B O West
- 9 - ESPN
- 10 - Shop-At-Home
- 11 - The Family Channel - East
- 12 - -----
- 13 - C N B C
- 14 - The Movie Channel - West
- 15 - HBO - East
- 16 - Cinemax - West
- 17 - T N T
- 18 - The Nashville Network
- 19 - USA - East
- 20 - Black Entertainment television (B.E.T.)
- 21 - -----
- 22 - CNN Headline News
- 23 - Arts and Entertainment (A&E)
- 24 - Showtime - east

### Changes on Spacenet 2

- 21 - Cornerstone Television (religious) relays WPCB ch 40 - Greensburg/Pittsburgh, Pa and WKBS - ch. 47 - Altoona/Johnstown, Pennsylvania
  - 22 - remains S U R from Lima, Peru
  - 23 - A Prime Network affiliate that rarely ID's - might actually be Buffalo, New York?????
- S C O L A has moved from Spacenet 2 23 to Spacenet 1-24

Many thanks to Clarence A. Whitaker of Vicksburg, Miss. who has ID'd the 2 Morelos channels

- M2 - 21 is a cable movie service
- M2 - 23 is Cable Shorts..

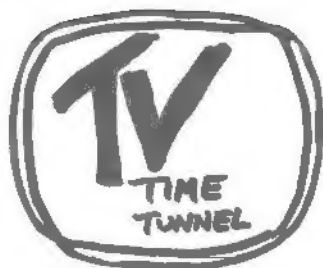
I hope to get back in touch with Clarence shortly as I feel that there's a lot on these birds that I don't even know about..

In August Satcom C4 will launch to 134 West Galaxy 1R will launch in August and replace G-1 In September - Satcom C3 to 131 West Galaxy 7 will launch in November. Others are coming in 1993

That's all for this month - see you in 30 The yearly reviews will be coming along soon ... '73's

*George W. Jensen*

MOST OF THE ID SLIDES AND TEST PATTERNS IN THIS MONTH'S FEATURE WERE SUPPLIED BY BILL ECKBERG OF DIXON, IL. TWO CAME FROM ROBERT WILLIAMS OF TWIN FALLS, ID.; AND ONE IS FROM MY ARCHIVES. YOU'LL BE SEEING A LOT MORE OF ROBERT'S WORK, INCLUDING SOME PENCIL-SKETCH REPRODUCTIONS THAT ARE TRULY WORKS OF ART!



PREPARED FOR THE VUD  
AND NTFDA MEMBERSHIP  
BY TOM BRYANT; 649  
TODD PREIS DRIVE;  
NASHVILLE, TN; 37221

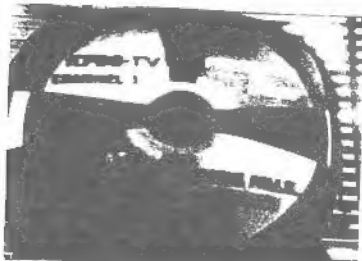
# THE WAY THEY WERE



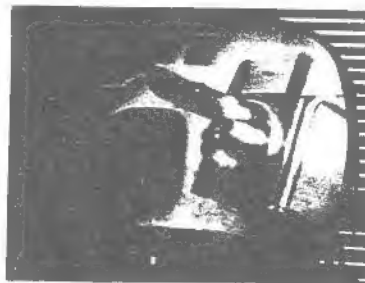
GREAT SHOT OF A UNIQUE PATTERN. ABC CHOSE TO OMIT THE CITY (CHICAGO).



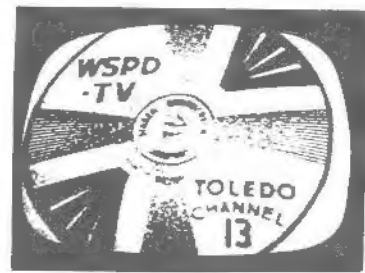
THIS WAIQ-TV ID IS FROM THE OLD APTV TRANSMITTER SITE AT ANDALUSIA, AL.



KFBN-TV IN GREAT FALLS, MT INCLUDED THE PROGRAM START TIME ON THIS ONE.



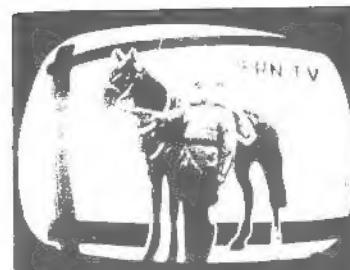
SURPRISE! WENT (Evansville, IN) WAS ON 50 IN THE EARLY DAYS (now 25).



"STORER BROADCASTING" GETS A MENTION ON THIS VINTAGE CHANNEL 13 PATTERN.



KSFX-TV IN SIOUX FALLS (now KSFX) WAS ORIGINALLY AN NBC AFFILIATE.



APPROPRIATELY, A 'MOUNTIE' ADORNES THIS CFRN-TV (3) EDMONTON, AB SLIDE.



THE CALL AND CITY IN BOXES REALLY MAKE THIS KUTV PATTERN STAND OUT.



INTERESTING GEOMETRY HILITES THIS EARLY '60s WDAY CATCH BY ECKBERG.



THE WTRF AND WTVS TEST PATTERNS ARE FROM BOB WILLIAMS' COLLECTION. NO, HE DIDN'T SEE 'EM IN IDAHO...FELLOW DIERS SENT THEM! THE 56 DETROIT VERISON WAS AN EARLY COLOR PATTERN, WITH THE TEST COLORS (red, cyan, magenta, etc.) SEEN IN THE PIE-SHAPED WEDGES SURROUNDING THE BULLSEYE.



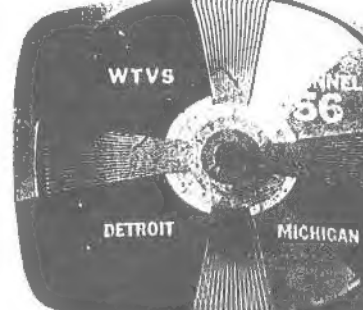
NOTHING FANCY ABOUT THE HUTCHINSON PATTERN...TV GETS THE EMPHASIS!



11 IN LITTLE ROCK HASN'T CHANGED THEIR ID MUCH SINCE THIS 50's



YOUR EDITOR TOOK THIS 11 AM KTTV SHOT IN A LOS ANGELES HOTEL IN 1961.





UPDATED 6/7/92

FM SCOREBOARD

FRED NORDQUIST  
7945 BOXFORD RD  
CLAY, NY 13041  
DEADLINE: THE 5TH

DXER NAME	DXER LOCATION	TOTAL 88-92	ES	MS	AU	USA	CN	MX	FO	TPU	YB	AS	OF:
DYER PAT	TX SAN ANTONIO	2534	403	2071	67	0	44	4	21	5	75	70	02/28/92
STROBEL RALPH	IN MUNCIE	2047	539	660	157	7	43	7	2	2	55	72	06/02/92
BUNTIN DANNY	OK STILLWATER	1943	322	1159	4	0	48	5	9	2	65	74	05/15/92
ELVING BRUCE	MN DULUTH	1750	318	1375	9	8	47	4	1	0	53	48	02/10/92
EBELING JOHN	MN BLOOMINGTON	1702	291	980	46	83	47	6	5	0	59	52	01/01/92
FELA JOSEPH	NJ S. PLAINFIELD	1616	336	869	2	10	37	6	0	3	47	68	02/08/92
NORDQUIST FRED	NY CLAY	1595	327	788	45	59	41	5	0	3	50	69	05/25/92
BUGAJ MIKE	CT ENFIELD	1592	217	873	23	23	37	5	1	2	46	74	11/21/91
PUGH KEITH	AL NEW HOPE	1590	238	811	44	3	43	7	10	2	63	83	09/08/90
NIEMAN DAVID	NY AKRON	1433	387	431	49	26	43	8	0	3	55	59	12/27/91
CONIGLIO GREG	NY WILLIAMSVILLE	1427	202	700	16	36	38	8	1	2	50	85	01/02/92
MCCORMACK FRED	ND FARGO	1339	303	990	3	52	48	6	3	0	58	74	08/03/90
SEYBOLD BOB	NY DUNKIRK	1326	212	611	0	2	45	8	3	3	59	58	06/24/90
EBELING JOHN	MN PROSIT	1184	228	800	3	5	48	9	2	0	60	73	01/01/92
JEFFERSON JOHN	CA ANTIOCH	1179	263	688	15	1	29	4	5	0	38	74	01/21/91
BRUNFIELD DAVE	IN RICHMOND	897	165	325	15	0	36	4	2	2	44	81	09/01/91
SHOLAREK BOB	NJ OLDWICK	890	149	385	2	0	36	3	0	1	41	78	02/18/91
HOLBROOK HANK	MD CHEVY CHASE	866	224	234	18	0	35	6	0	3	45	59	10/05/91
MICHALEK ALAN	MA SPRINGFIELD	812	106	495	0	0	36	5	0	0	42	52	10/01/90
DETTING DANIEL	PA EYTON	756	190	250	9	2	34	6	0	0	41	77	06/07/91
ALLEN DOUGLAS	CO WOODLAND PARK	711	116	489	44	0	39	4	3	0	46	88	10/30/90
SHAFTAN RICHARD	NJ ROCKAWAY	708	168	233	6	0	32	4	0	1	38	78	06/04/92
GREENE GEORGE	OH AKRON	706	54	234	0	0	33	3	0	0	37	71	03/09/91
ROSS ROBERT	ON LONDON	682	185	280	0	0	33	6	0	3	42	76	02/11/91
BRUNFIELD DAVE	IN MUNCIE	682	149	65	1	0	29	1	1	0	31	79	03/01/90
NIENAJADLY BILL	NJ CLIFTON	640	103	235	8	0	34	2	0	1	38	75	01/30/92
HALL D. BRUCE	ON BRANTFORD	503	95	10	55	2	34	4	0	1	38	90	12/04/91
MEADE LARRY	IL CHICAGO	459	85	65	6	0	23	2	0	0	25	79	09/05/90
SITTEL MATT	NC RALEIGH	456	66	164	0	2	23	1	3	0	28	88	01/02/92
NOLLMAN BILL	CT NORWICH	453	46	155	17	0	31	9	0	1	35	81	11/24/91
NIEMAN DAVID	NY ROCK CITY	364	78	5	8	0	12	2	0	0	1591	12/27/91	
HEPBURN WILLIAM	ON BRANTFORD	309	183	83	1	6	21	2	0	1	24	85	11/10/91
HAWK MIKE	NE OHAMA	304	54	18	17	0	23	1	2	0	26	91	04/20/92
BRANDENBURG TODD	KS SILVER LAKE	300	46	32	0	1	24	0	0	0	24	80	09/02/90
MANCUSO GUS	MD CHEVERLY	259	41	31	0	0	22	0	0	0	23	70	03/26/91
MANCUSO GUS	WV BIRCH RIVER	228	20	4	0	0	15	0	0	0	15	87	03/26/91
RENFREW JIM	NY ROCHESTER	185	37	2	0	0	6	2	0	0	20	9	06/15/91
MEADE LARRY	KY PRICE	165	35	0	14	0	10	0	0	0	11	79	09/05/90
WHEELER FRANK	PA ERIE	162	23	2	0	0	8	1	0	0	9	64	08/20/90
QNYCHUK KEN	IL RIVERDALE	141	30	0	0	0	7	0	0	0	7	68	06/30/91

\* VERIFIED.

COLUMN DEFINITIONS: are as follows: Total = Total number of FM stations logged from DXer's location (All loggings should be received within 25 mile radius of this location to count.) Freq. changes count as a station, call letter changes DO NOT count. Also count a station only once regardless if logged by different propagation modes. 88-92 = All stations logged from 88.0 to 91.99 Mhz. Es = Total number of stations logged via E-skip. MS = Total by meteor scatter. Au = Total via Auroras. USA = Total number of states and the \* = Washington, DC. CN = Number of Canadian provinces logged. MX = Number of Mexican states logged. FO = Number of foreign countries, but not Canada or Mexico. TPU (Total number of political units) = Sum of USA CN MX and FO. YB = The year you began DXing from this location. Other groundrules for computing log totals are included in AUGUST 88 WUD Page 48. Note: This is a complete listing of entries received in the decade of the '90s. Please update/submit your stats...73-Fred.

PERSONAL BESTS - FM STATISTICS - 6/92

CHANNEL METRICS - Pat Dyer - San Antonio TX - (2/29/92)

MHZ	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	TOTAL
.1	31	29	15	13	22	19	45	35	19	18	29	28	10	16	14	44	34	21	18	50	510
.3	31	29	12	10	42	37	44	54	16	2	34	28	6	13	48	29	15	9	5	22	532
.5	40	27	15	13	45	67	43	35	36	17	40	8	7	26	14	13	3	34	20	4	507
.7	21	26	10	7	57	32	20	37	41	63	29	12	23	9	1	20	13	23	19	16	479
.9	32	21	7	5	2	26	41	29	35	37	26	32	9	3	10	43	56	28	17	36	495
TOTAL	155	132	69	48	168	181	193	190	147	137	158	108	55	67	87	149	121	115	125	128	2523

AS OF: 06/04/92

STATISTICS  
USA

PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	PU	#	DXER	#	DXER
AK	106	KPU	56	JEB	LA	72	RSR	63	DEL	OH	224	RST	177	FAC
AL	11	JJE	0	None	NE	40	RST	30	KPU	OK	128	DBU	53	JJE
AZ	49	PBY	36	JER	ND	54	JFE	48	DBU	OR	31	JJC	29	FAC
CA	86	DDU	61	VER	MA	94	RST	77	ABU	PA	168	DWI	134	FAC
CO	380	JJE	127	PBY	MI	157	RST	139	FAC	RJ	14	MNO	12	RST
CT	107	DAL	70	JJE	RI	176	JEB	161	JJE	SC	56	PBY	54	MSII
DE	49	ABU	42	AXI	SD	78	KPU	64	TAC	SD	40	JJE	39	KPU
FL	13	DEE	12	JFE	TX	118	FREI	94	DBU	TX	110	KPU	53	JAY
GA	154	PBY	147	DBU	VT	29	JJE	25	JJC	TX	309	PBY	211	ABA
HI	102	KPU	97	PBY	UT	61	A-A	58	JJE	UT	29	PBY	22	DBU
IL	0	None	0	None	VA	24	PBY	24	DBU	VT	14	KPU	13	AKI
IN	28	DBU	26	PBY	WA	27	RST	17	AXI	VA	61	MSII	60	JFE
IA	200	FREI	197	RST	WI	76	JFE	69	RSN	WA	46	FAC	30	JJE
IS	186	RST	132	DBU	WV	51	JJE	44	KPU	WV	39	RST	33	FAC
IT	120	ABU	107	JEB	WY	213	FNO	182	JEB	WY	136	DEL	127	JEB
KS	93	DBU	78	TAR	NC	117	MSII	83	PBY	WY	26	RST	25	PBY
KY	106	RST	69	DBU	ND	34	FAC	34	FAC	DC	13	GAA	13	DWI

CANADA/MEXICO/FOREIGN STATS

PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	PU	#	DXER	#	DXER
CANADA					MEXICO (CONT)					MEXICO (CONT)				
AB	29	JJE	28	JJE	CH	8	FAC	6	FAC	SL	2	TAC	0	None
BC	20	JJE	11	JJE	CH	3	PBY	0	None	SD	5	PBY	3	JJE
MB	15	FAC	13	FAC	CO	8	FAC	6	PBY	TAR	2	TAC	2	PBY
NU	9	FAC	6	RST	DE	21	TAC	21	JJC	TAM	8	PBY	6	KPU
NF	13	FAC	12	DWI	DU	1	PBY	0	None	VCZ	9	JJC	6	KPU
NS	15	FAC	9	KPU	GR	5	PBY	1	JJC	YUC	2	JJC	2	PBY
ON	117	DWI	108	GOO	GT	9	JJC	2	TAC					
PE	2	JFE	2	RST	HO	1	JJC	0	None	FOREIGN				
PQ	28	FAC	28	DWI	JAL	12	TAC	10	PBY	DJBA	6	RST	5	FAC
SK	9	JJE	8	FAC	MEX	3	JJC	3	PBY	DEJZ	3	PBY	1	JJC
NWT	1	WHEE	1	JJE	MJC	3	JJC	3	PBY	DEKRU	3	JJC	2	FAC
					NOR	5	PBY	3	JJC	EL SA	8	PBY	1	KSI
MEXICO					ML	16	PBY	14	KPU	GUATE	15	PBY	4	KSI
AGU	1	JJC	0	None	ORX	1	JJC	1	PBY	HONDU	2	KSI	2	PBY
BCH	14	PBY	10	FAC	RAY	1	PBY	0	None	JAMAI	14	KPU	3	JJC
BCS	1	PBY	0	None	PUE	5	PBY	4	TAC	PUERT	4	KSI	1	DWI
CHM	1	JJC	0	None	SIN	2	JJE	1	DBU	D.REP	1	KSI	0	None
										BAHAM	1	FAC	1	DWI

ABOVE STATS REPRESENT MOST NO. OF STATIONS FOR EACH POLITICAL UNIT (PU) LOGGED FROM A SINGLE SPECIFIED DXER'S LOCATION. FIRST AND SECOND PLACE DXERS ARE LISTED ONLY. OTHERS THAT ARE TIED FOR SECOND ARE NOT LISTED...73N.

CHANNEL METRICS - Fred Nordquist - CLAY NY - (5/4/92)

MHZ	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	TOTAL
.1	23	14	22	15	5	9	23	12	16	18	13	19	28	12	13	9	19	10	14	17	311
.3	5	14	21	9	17	16	23	20	12	13	13	8	27	9	21	18	7	7	16	11	287
.5	14	18	21	7	17	25	9	25	14	20	20	19	6	22	11	22	14	34	15	16	359
.7	16	12	21	19	31	24	19	24	30	27	18	13	18	15	12	15	5	13	17	12	359
.9	24	10	25	17	18	19	18	11	11	12	9	13	8	25	7	12	5	21	8	8	279
TOTAL	82	66	110	67	88	103	92	92	83	90	67	78	85	83	64	80	50	85	70	64	1595

Personal Bests - Ralph Strobel - Muncie IN (5/2/92)

Farthest Es/MS: KXCR 101.1 UT 148R M., Farthest Tr: KXCR 93.9 TX 1098 M., Closest unheard state: DE  
Closest Es: KMBZ 93.3 IA 441 M., Closest MS: WABC 94.1 OH 215 M., Best Freq: 88.1-51. Best MS Freq: 101.1-22.

Personal Bests - Rick Shaftan - Rockaway NJ (6/4/92)

Farthest Es: KLRJ 93.7 TX 1498 M., Farthest Tr: WTKX-99.7 SC 681 M.,  
Closest Es: WMBZ 96.9 IL 636 M., Closest unheard state: WV

I'm continuing to expand my data base of cities (now up to 4900) in North and Central America giving the grid coordinates of all cities that have FM/TV stations (excluding translators). The data base is organized into files for each political unit (e.g. states/provinces/foreign political units), and is used in conjunction with a BASIC computer program to calculate Great Circle distances between DXer locations and DX stations. This program is used to check distance records for Statistics. This computer program can also calculate the distances (in miles and/or kilometers) of all cities in the data base from any DXer's location! If you are not concerned with knowing the exact distances of the transmitter tower locations from the center of each city, then you may want to have a printout of this data base for your location to assist you in including distances with your DX reports in the QRD. You can request a 10 page listing (in miles only) for a \$2.00 donation, or a 16 page listing (miles/kilometers) for a \$3.00 donation to cover cost of printing & mailing. 22 orders have already been filled. Thanks to those of you who have made suggestions/corrections to improve this handy personalized listing. Please include with your request the Great Circle Coordinates of your DX location (e.g. lat. 43 deg 8 min N & long. 76 deg 8 min W). Delivery should be within 10 days of your request. 73 - Free.

#### WTFDA GUIDELINES FOR COMPUTING TV-FM DISTANCE RECORDS AND SCOREBOARD TOTALS

1) A TV station received on more than one channel (when it changes channel, but retains its identity) may be counted once for each channel, excluding change in offset on the same TV channel. Simultaneous reception of the same station on more than one channel is usually a receiver problem only, though you may present evidence to the contrary. An FM station may be counted again when it deliberately changes frequencies, or varies more than 100 kHz from its normal frequency. DXers should be certain they are not counting receiver images or mixing products.

2) Stations operating successively on the same channel in a single city that are clearly unrelated (i.e., with different call letters and a hiatus in occupation of the channel, or non-renewal of the first station's license) are counted as separate stations.

3) A move in a station's transmitter location does not allow it to count as a new station unless the CITY OF LICENSE also changes. Thus, a station starting in a small city and later moving both transmitter and identity to a larger city, if received during both phases of operation, will count twice. Stations moving antenna from downtown to suburbs, for example, with no change in the city of license, count only once. The addition of a city to a station's identity (multiple city station identification) does not count as a new station.

4) A change in call letters per se is not sufficient reason to count that station as new, whether or not a change in ownership is involved in a continuously operating station. Power level or changes in power alone shall have no bearing on these guidelines.

5) Sharetime stations (rare cases of two stations in the same coverage area sharing the same frequency at different times of the day) count as one if they share their transmitter; individually if they have separate transmitter sites.

6) DX received via cable TV may be counted if the station was received off the air on its original frequency at the CATV headend, from which distances must be measured. TOTALS INCLUDING CATV MUST BE SPECIFIED.

7) The precise location of the transmitting antenna of the station shall be the determining factor in computing the DX path distance and tallying the number of political units received.

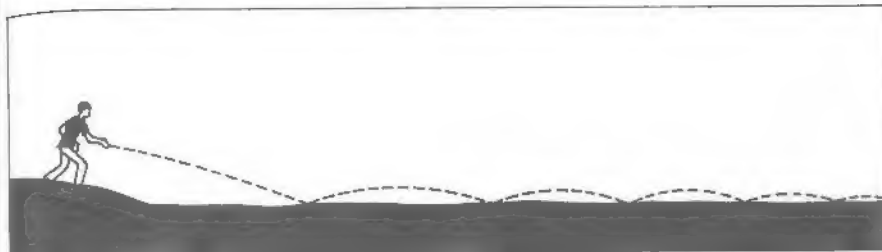
8) Verifications are not required; however, contributors must be reasonably certain that all stations claimed were received. Those totals limited to verified only should be labeled as such.

9) DX obtained by recording only, and not witnessed at the actual time of the reception, is eligible--so long as the DXer chose the frequency and prepared the recording apparatus. When more than one DXer is present at a DX reception, even as a visitor to another DXer's shack, only those having an active part in the reception may claim the DX.

10) Translators and experimental stations, as well as unlicensed outlets such as pirates and clandestines, are eligible. Harmonics of TV video signals are eligible if they fall within another TV band, and those of FM stations are eligible if the harmonics fall within the FM band. But utility stations monitored on FM or TV, and CATV radiation, do not count.

(EDITOR'S NOTE: Remember, these are to be used for reporting to VUD columns. Feel free to count your station totals any way you like in your own log, but please follow the above guidelines for WTFDA purposes. WTFDAers come from varied backgrounds and differ widely on how to count station totals; without the above, it would be like comparing "apples and oranges" when reading DX report columns. These are essentially the same guidelines in use since WTFDA began, and comments on them are always welcome--but remember, unless reporters follow the same standard in counting stations, it's very hard to compare their results.)

## E SKIP ACROSS THE WATER?



Article for V.U.D. by Lawrence Curcio, KA12A

It happens every year, or almost that frequently but no-one seemingly notices. Or at least, they are not looking. What am I talking about? Why, its trans Atlantic multiple hop E SKIP, or its west coast equivalent trans Pacific skip. If you ever read some of the excellent European based DX magazines, SHORTWAVE magazine from England or any of the European VHF bulletins, you will know what I mean. Several times during the summertime E SKIP peak season, Europeans have had traces (sometimes even identifiable) of U.S. and/or Canadian video signals from this "side of the pond" on 55.25, 61.25, and 67.25 MHz (our own channels 2, 3, 4).

My question to you out there is "Why is this not reciprocated?" If the DXers on the European side of the "pond" get multiple-E (2 hops is all it would take from most of England to extreme Northeast U.S. and eastern Canada), why doesn't anyone seem to report some kind of traces, perhaps just even in the form of interference on local or regional channel 2 through 6 stations?

The possible explanations are many. I notice that many of the European DXers are really adept at going after the more "exotic" type of E SKIP DX, the type that most people here seem to ignore. They definitely have better equipment on the receiving end over there. You don't see a lot of front-end overload on TV sets in many of the places I have visited in Europe, even the ones near the transmitter sites. Many of the European nations have moved away from VHF, leaving those frequency bands clearer for "wide-open" E DXing. In France, they seem to have "re-invented" VHF. Also, in the States, DXers may usually have their antennas pointed the wrong way! What I mean by this is, for example, a hypothetical DXer living in Massachusetts or New Hampshire is NOT going to usually point his beam at London when Chicago is coming in! We may be so pre-occupied with statewide single hop E SKIP that we don't even try the other directions. North American DXers who DO look for signs of Europe DX have checked into bulletins. One did when I lived in Germany, he was in New Hampshire, and he had received 48 and 49 MHz sound channels from across the Atlantic several summers in a row about 8-10 years ago. I don't think he had the equipment to decode their video standards, but odd-looking interference on the video was also encountered, and this was definite weak E. NOT F2 layer!!!

For all we know, perhaps this is happening every year. It tends to happen (going by amateur radio VHF reports) in the last week or so of June, and sometimes early or late July. And most interesting of all, it seems to happen ON A DAY WHEN E SKIP IS POOR TO NON EXISTANT IN NORTH AMERICAN PATHS! Does this tell you something? On days when conditions seem poor with E skip in the summer when you expected them to be good, then LOOK TOWARDS THE COAST. Specifically, point your antenna out towards the Maritime Canadian providences, or maybe even point it North to an area where you never or rarely get E stations! I have seen signs of odd cochannel interference in New England in Summer, even when in RF-overloaded places like Scituate, Mass.

DXers, consider the potential rewards of an expedition to Maine (stay away from Busher's place, they'll think you are a terrorist with all your antennas) or, much more productive (I know--I have been up there) the Maritime Canada area, where the 2 hop range is close to ideal, and almost totally over water--which always will enhance any E SKIP results.

I've noticed the trouble with most all DX groups is that everything seems to be keyed to the "cliques". Always the "same" names reporting the "same" old stuff over and over again. Well here's your chance to break new ground and discover some really new and different DX--check those "impossible" coastal directions regularly when you are observing conditions. You may be the first to see something that everyone else is busy ignoring, just because the usual grunts are looking in the wrong direction and grouching about how bad the skip is! And...watch out for those days when it doesn't seem to be "skipping" anywhere within the continent!

# SPECIAL PROJECT PROPOSAL

Along with being a member of the WTFDA, I also write a column for Monitoring Times called American Bandscan.

I would like to compile 5 maps of North America, one for each channel 2 through 6. Each station that operates on these channels will be pinpointed on the map, and each station's address and phone number will be listed on the reverse for easy reference.

To make this reference more useful, I would like to include the logos of each station to aid IDing the stations, especially during E-skip conditions. Using the maps, with logo neatly arranged, you will enjoy E-skip with hopefully more accuracy, and will be able to map out the travel of the skip as it changes, etc.

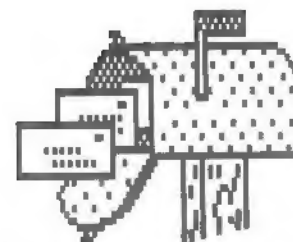
Would readers please send in logos of your local channels 2 through 6 for inclusion in these maps?

If you send along an SASE, I will be glad to send you the finished product gratis. If the project proves successful, I will move on to expand to cover all the channels in use in North America.

I am especially interested in Canadian stations, since I know of no detailed and reliable reference of the stations in The Great White North.

Thanks for your time and consideration!

Karl J. Zuk - 154 Old Post Rd. North - Croton-on-Hudson, NY 10520



**YOUR COMMENTS  
AND CRITICISMS  
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